

PROSPECTUS SUPPLEMENT  
(To Prospectus dated August 26, 2022)

Up to \$20,000,000



### Common Stock

We have entered into a sales agreement with Needham & Company, LLC, or Needham, acting in its capacity as the sales agent, relating to the offer and sale of shares of our common stock, par value \$0.001 per share, from time to time, having an aggregate offering price of up to \$20,000,000.

Sales of our common stock, if any, under this prospectus supplement may be made in sales deemed to be “at-the-market” equity offerings as defined in Rule 415 promulgated under the Securities Act of 1933, as amended, or the Securities Act, including, without limitation, sales made directly on The Nasdaq Stock Market LLC, or Nasdaq, on any other existing trading market for our common stock or to or through a market maker or through an electronic communications network. Needham is not required to sell any specific amount of securities, but will act as our sales agent on a best efforts basis and will use commercially reasonable efforts to sell on our behalf all of our common stock requested to be sold by us, consistent with its normal trading and sales practices, on mutually agreed terms between Needham and us. There is no arrangement for funds to be received in any escrow, trust or similar arrangement.

Needham will be entitled to compensation at an amount of up to 3.0% of the gross proceeds from the sale of common stock offered hereby. In connection with the sale of our common stock on our behalf, Needham will be deemed to be an “underwriter” within the meaning of the Securities Act and the compensation of Needham will be deemed to be underwriting commissions or discounts. We have agreed to provide indemnification and contribution to Needham against certain civil liabilities, including liabilities under the Securities Act or the Securities Exchange Act of 1934, as amended, or the Exchange Act.

Our common stock is listed on Nasdaq under the symbol “QUIK.” The last reported sale price of our common stock on February 21, 2025 was \$7.30 per share.

We are a “smaller reporting company” as defined under U.S. federal securities laws and, as such, have elected to comply with reduced public company reporting requirements.

*Investing in our common stock involves a high degree of risk. You should read this prospectus supplement and the accompanying prospectus carefully before you make your investment decision. See “Risk Factors” beginning on page S-5 of this prospectus supplement, as well as the documents incorporated by reference in this prospectus supplement and the accompanying prospectus.*

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

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## Needham & Company

The date of this prospectus supplement is February 25, 2025

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You should rely only on the information contained in or incorporated by reference in this prospectus supplement, the accompanying prospectus and in any free writing prospectus that we have authorized for use in connection with this offering. We have not authorized anyone to provide you with different information. We are not making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus supplement, the accompanying prospectus, the documents incorporated by reference in this prospectus supplement and the accompanying prospectus, and in any free writing prospectus that we have authorized for use in connection with this offering, is accurate only as of the date of those respective documents. Our business, financial condition, results of operations and prospects may have changed since those dates. You should read this prospectus supplement, the accompanying prospectus, the documents incorporated by reference in this prospectus supplement and the accompanying prospectus, and any free writing prospectus that we have authorized for use in connection with this offering, in their entirety before making an investment decision. You should also read and consider the information in the documents to which we have referred you in the sections of this prospectus supplement entitled “Where You Can Find More Information” and “Incorporation of Certain Information by Reference.”

## ABOUT THIS PROSPECTUS SUPPLEMENT

This document is in two parts. The first part is the prospectus supplement, which describes the specific terms of this offering, and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference. The second part, the accompanying prospectus, including the documents incorporated by reference, provides more general information, some of which may not apply to this offering of securities. Generally, when we refer to this prospectus, we are referring to both parts of this document combined. To the extent there is a conflict between the information contained in this prospectus supplement, on the one hand, and the information contained in the accompanying prospectus or in any document incorporated by reference that was filed with the Securities and Exchange Commission, or SEC, before the date of this prospectus supplement, on the other hand, you should rely on the information in this prospectus supplement. If any statement in one of these documents is inconsistent with a statement in another document having a later date, the statement in the document having the later date modifies or supersedes the earlier statement.

This prospectus supplement and the accompanying prospectus are part of a registration statement on Form S-3 that we filed on August 17, 2022, with the SEC using a “shelf” registration process with respect to up to an aggregate of \$125,000,000 of our securities that may be sold thereunder, as further described in the accompanying prospectus. The shelf registration statement was declared effective by the SEC on August 26, 2022. Under this prospectus supplement and the accompanying prospectus, we may offer shares of our common stock having an aggregate offering price of up to \$20,000,000 from time to time at prices and one terms to be determined by market conditions at the time of offering.

Under the shelf registration process, we may offer and sell any combination of securities described in the accompanying prospectus in one or more offerings. The accompanying prospectus provides you with a general description of the securities we may offer. Each time we use the accompanying prospectus to offer securities, we will provide a prospectus supplement that will contain specific information about the terms of the offering. The prospectus supplement may also add, update or change information contained in the accompanying prospectus. The purpose of this prospectus supplement is to provide supplemental information regarding us in connection with this offering of common stock.

We have not, and the sales agent has not, authorized anyone to provide you with any information other than that contained or incorporated by reference in this prospectus supplement, the accompanying prospectus or in any free writing prospectus that we have authorized for use in connection with this offering. Neither we nor the sales agent take any responsibility for, and can provide no assurance as to the reliability of, any other information others may give you. The information contained in this prospectus supplement, the accompanying prospectus, any free writing prospectus that we have authorized for use in connection with this offering, including the documents incorporated by reference herein or therein, is accurate only as of the respective dates thereof, regardless of the time of delivery of this prospectus supplement and the accompanying prospectus or of any sale of our common stock. Our business, financial conditions, liquidity, results of operations and prospects may have changed since those dates. You should read this prospectus supplement, the accompanying prospectus, any free writing prospectus that we have authorized for use in connection with this offering, including the documents incorporated by reference herein or therein, in their entirety before making an investment decision. You should also read and consider the information in the documents to which we have referred you in the sections titled “Where You Can Find Additional Information” and “Incorporation of Certain Information by Reference” in this prospectus supplement and the accompanying prospectus.

We further note that the representations, warranties and covenants made by us in any agreement that is filed as an exhibit to any document that is incorporated by reference herein were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to such agreements, and should not be deemed to be a representation, warranty or covenant to you. Moreover, such representations, warranties or covenants were accurate only as of the date when made. Accordingly, such representations, warranties and covenants should not be relied on as accurately representing the current state of our affairs.

We and the sales agent are offering to sell, and seeking offers to buy, shares of our common stock only in jurisdictions where offers and sales are permitted. The distribution of this prospectus supplement and the accompanying prospectus and the offering of the common stock in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus supplement and the accompanying prospectus must inform themselves about, and observe any restrictions relating to, the offering of the common stock and the distribution of this prospectus supplement and the accompanying prospectus outside the United States. This prospectus supplement and the accompanying prospectus do not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, any securities offered by this prospectus supplement and the accompanying prospectus by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

Unless the context requires otherwise, references in this prospectus supplement and the accompanying prospectus to “QuickLogic,” “the company,” “we,” “us” and “our” refer to QuickLogic Corporation.

This prospectus supplement, the accompanying prospectus and the information incorporated herein and thereby by reference include trademarks, servicemarks and tradenames owned by us or other companies. The name QuickLogic and our logo are our trademarks. All trademarks, servicemarks and tradenames included or incorporated by reference in this prospectus supplement or the accompanying prospectus are the property of their respective owners.

## PROSPECTUS SUPPLEMENT SUMMARY

*This summary highlights selected information contained elsewhere or incorporated by reference in this prospectus supplement and the accompanying prospectus. This summary does not contain all the information you should consider before investing in our securities. You should read and consider carefully the more detailed information in this prospectus supplement and the accompanying prospectus, including the factors described under the heading "Risk Factors" in this prospectus supplement and the financial and other information incorporated by reference in this prospectus supplement and the accompanying prospectus, as well as the information included in any free writing prospectus that we have authorized for use in connection with this offering, before making an investment decision.*

### Company Overview

Our mission is to provide innovative silicon and software platforms to successfully enable our customers to develop hardware products that fundamentally change the end-user experience. Specifically, we are a fabless semiconductor company that develops a full stack platform for artificial intelligence ("AI"), voice, and sensor processing. The platform is based on our embedded FPGA ("eFPGA") intellectual property ("IP"), low power, multi-core semiconductor system-on-chips ("SoCs"), discrete FPGAs, and AI software. Our customers can use our eFPGA IP for hardware acceleration and pre-processing in their own custom semiconductor hardware products, our SoCs to run our customers' software and build their hardware around, and our discrete FPGAs to implement their custom functionality. The Analytics Toolkit from SensiML Corporation ("SensiML"), our wholly-owned subsidiary, provides an end-to-end Artificial Intelligence / Machine Learning solution with accurate sensor algorithms using AI technology. The full range of platforms, software tools, and eFPGA IP enables the practical and efficient adoption of AI, voice, and sensor processing across Consumer/Industrial IoT, Consumer Electronics, Military, Aerospace, and Defense markets.

Our new products include our ArcticPro™, EOS™, QuickAI™, SensiML Analytics Toolkit, ArcticLink® III, PolarPro®3, PolarPro II, PolarPro, and Eclipse II products. In addition to delivering our own semiconductor solutions, our new products category includes our IP business that licenses our eFPGA technology for use in other semiconductor companies SoCs and provides professional services, consisting of development and integration of eFPGA technology into bespoke semiconductor solutions. SensiML provides an AI software platform for products which include Software as a Service ("SaaS") subscriptions for development, per unit license fees when deployed in production, and proof-of-concept services, all of which are also included in the new products revenue category. Our mature products include primarily FPGA families named PASIC®3 and QuickRAM®, as well as programming hardware and design software.

Our solutions typically fall into one of four categories: (i) Sensor Processing, (ii) eFPGA intellectual property and its associated Tools, (iii) Display, or (iv) Smart Connectivity. Our solutions include a unique combination of our silicon platforms, IP cores, software drivers, and in some cases, firmware and application software. All of our silicon platforms are standard hardware products and must be programmed to be effective in a system.

Through the acquisition of SensiML, our core IP also expanded to include the SensiML Analytics Toolkit, which enables Original Equipment Manufacturers ("OEMs") to develop AI software for a broad array of resource-constrained time-series sensor endpoint applications. These include a wide range of consumer and industrial sensing applications.

We collaborate with multiple partners on reference designs, and in some cases, co-marketing and/or co-selling initiatives. QuickLogic also works with processor manufacturers, sensor manufacturers, voice recognition, sensor fusion, and context awareness algorithm developers, and embedded systems companies in the development of reference designs. Through reference designs that incorporate our solutions, we believe processor manufacturers, sensor manufacturers, and sensor and voice algorithm companies can expand the available market for their respective products. Furthermore, should a solution developed for a processor manufacturer or sensor and/or sensor algorithm company be applicable to a set of common OEMs or Original Design Manufacturers ("ODMs"), we can amortize our Research and Development ("R&D") investment over that set of OEMs. There may also be cases when platform providers that intend to use always-on voice recognition will dictate certain performance requirements for the combined software/hardware solution before the platform provider certifies and/or qualifies our product for use by end customers.

SensiML collaborates with several microcontroller and sensor manufacturers to integrate the microcontroller and/or sensor manufacturers' development kits with SensiML's Analytics Toolkit in order to showcase combined solutions for AI/ML applications. Currently, these collaborations include On Semiconductor Corp., Microchip Technology Inc., Silicon Laboratories, Inc., Arduino, NXP Semiconductors N.V., Raspberry Pi, and Nordic Semiconductor.

We have changed our manufacturing strategies to reduce the cost of our silicon solution platforms to enable their use in high volume, mass customization products. Our EOS S3, EOS S3AI, QuickAI and ArcticLink III silicon platforms combine mixed signal physical functions and hard-wired logic alongside programmable logic. Our EOS S3, EOS S3AI, and ArcticLink III solution platforms are manufactured on an advanced process node where we can benefit from smaller die sizes. We typically implement sophisticated logic blocks and mixed signal functions in hard-wired logic because it is very cost-effective and energy efficient. We use small form factor packages, which are less expensive to manufacture and include smaller pin counts. Reduced pin counts result in lower costs for our customers' printed circuit board space and routing. Furthermore, our SRAM reprogrammable silicon platforms can be programmed in-system by our customers, and therefore, we do not incur programming costs, lowering the overall cost of ownership to our customers. We expect to continue to invest in silicon solution platforms and manufacturing technologies that make us competitive for the variety of markets and applications that programmable logic serves.

Our eFPGA IP are currently developed on 12nm, 16nm, 22nm, 28nm, 40nm, 65nm, 90nm, 130nm, and 250nm process nodes. The licensable IP is generated by an automated compiler tool called Australis™, which enables our engineers to create an eFPGA IP for our licensees that they can then integrate into their SoC without significant involvement by QuickLogic. We believe this flow enables a scalable development and support model for QuickLogic. For our eFPGA strategy, we typically work with semiconductor manufacturing partners prior to this IP being licensed to a SoC company.

In order to grow our revenue from its current level, we depend upon increased revenue from our new products, including existing new product platforms and platforms currently in development. We expect our business growth to be driven mainly by our silicon solutions, eFPGA IP, and SensiML AI Software. Therefore, our revenue growth needs to be strong enough to enable us to sustain profitability while we continue to invest in the development, sale, and marketing of our new solution platforms, IP, and software.

**Corporate Information**

We were founded in 1988 and reincorporated in Delaware in 1999. Our principal executive offices are located at 2220 Lundy Avenue, San Jose, CA 95131. Our telephone number is (408) 990-4000 and our website is [www.quicklogic.com](http://www.quicklogic.com). The information available on or accessible through our website does not constitute a part of this prospectus supplement or the accompanying prospectus and should not be relied upon.

**Implications of Being a Smaller Reporting Company**

We are a “smaller reporting company” as defined in Rule 12b-2 under the Exchange Act, and accordingly, may rely on exemptions from certain disclosure requirements that are available to smaller reporting companies. We will continue to be a smaller reporting company after this offering so long as (i) our common stock held by non-affiliates is less than \$250.0 million measured on the last business day of our second fiscal quarter or (ii) our annual revenue is less than \$100.0 million during the most recently completed fiscal year and our common stock held by non-affiliates is less than \$700.0 million measured on the last business day of our second fiscal quarter. As a result, the information that we provide to our stockholders may be different than you might receive from other public reporting companies in which you hold equity interests.

## The Offering

*The following summary contains basic information about this offering. The summary is not intended to be complete. You should read the full text and more specific details contained elsewhere in this prospectus supplement and the accompanying prospectus.*

Issuer	QuickLogic Corporation
Common stock offered by us	Shares of our common stock having an aggregate offering price of up to \$20,000,000
Common stock outstanding immediately before this offering(1)	15,349,609 shares of common stock
Manner of offering	“At the market offering” that may be made from time to time through or to the Sales Agent. See “Plan of Distribution.”
Use of proceeds	We intend to use the net proceeds, if any, from this offering for general corporate and working capital purposes. We may also use a portion of the net proceeds to acquire and/or license technologies and acquire and/or invest in businesses when the opportunity arises; however, we currently have no commitments or agreements and are not involved in any negotiations with respect to any such transactions. See “Use of Proceeds.”
Transfer agent and registrar	Equiniti Trust Company, LLC (formerly American Stock Transfer & Trust Company)
Risk factors	Investing in our common stock involves a high degree of risk. See “Risk Factors” and the other information incorporated by reference into this prospectus supplement and the accompanying prospectus for a discussion of certain factors you should carefully consider before deciding to invest in our securities. See also "Cautionary Statements Regarding Forwarding-Looking Statements."
The Nasdaq Capital Market symbol	QUIK

- (1) The number of shares of common stock to be outstanding immediately before this offering as shown above is based on 15,349,609 shares of common stock outstanding as of February 21, 2025 and excludes: (i) 47,702 shares of common stock issuable upon the exercise of stock options outstanding with a weighted-average exercise price of \$12.05 per share; (ii) an aggregate of 598,775 shares of unvested restricted stock units; and (iii) 65,403 shares of common stock reserved for future issuance under our equity incentive plans.

## RISK FACTORS

*Investing in our securities involves a high degree of risk. Before making an investment decision you should carefully consider the following risk factors, as well as the other information in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference in this prospectus supplement and the accompanying prospectus, and carefully read the risks described in the documents incorporated by reference in this prospectus supplement and the accompanying prospectus, including those set forth under the caption “Risk Factors” in our Annual Report on Form 10-K for our fiscal year ended December 31, 2023 and our quarterly reports on Form 10-Q for the quarters ended March 31, 2024, June 30, 2024 and September 29, 2024. Any of these risks could cause our actual results to vary materially from recent results or from anticipated future results or could materially and adversely affect our business, financial condition and results of operations. This effect could be compounded if multiple risks were to occur. The occurrence of any of these risks might cause you to lose all or part of your investment. Please also refer to the section below entitled “Cautionary Statements Regarding Forward-Looking Statements” regarding forward-looking statements included in or incorporated by reference into this prospectus supplement. Although we believe that these risks are the most important for you to consider, you should read this section, including any risk factors incorporated by reference in this prospectus supplement and the accompanying prospectus, in conjunction with our financial statements, the notes to those financial statements and our management’s discussion and analysis of financial condition and results of operation included in our periodic reports and incorporated by reference herein.*

### **Risks Related to this Offering and Our Securities**

***We have broad discretion as to the use of the net proceeds we receive from this offering and may not use them effectively.***

Although we have highlighted the intended use of proceeds for this offering, our management retains broad discretion as to the application of the net proceeds from this offering. Accordingly, you will have to rely upon the judgment of our management with respect to the use of those net proceeds. Our management may spend a portion or all of the net proceeds we receive from this offering in ways that our stockholders may not desire or that may not yield a favorable return. The failure by our management to apply these funds effectively could harm our business.

***If you purchase shares of our common stock sold in this offering, you may experience immediate and substantial dilution in the net tangible book value of your shares.***

The price per share of our common stock being offered may be higher than the net tangible book value per share of our outstanding common stock prior to this offering. Assuming that an aggregate of 2,739,726 shares of our common stock are sold at a price of \$7.30 per share, the last reported sale price of our common stock on the Nasdaq on February 21, 2025, for aggregate gross proceeds of \$20,000,000 before deducting commissions and estimated offering expenses payable by us, new investors in this offering will incur immediate dilution of \$0.46 per share. For a more detailed discussion of the foregoing, see the section entitled “Dilution” on page S-11 of this prospectus supplement.

***Our stockholders may experience further dilution if we issue additional securities in the future.***

Any additional future issuances of common stock by us will reduce the percentage of our common stock owned by investors purchasing common stock who do not participate in such future issuances. In most circumstances stockholders will not be entitled to vote on whether or not we issue additional securities. In addition, depending on the terms and pricing of an additional offering of our securities and the value of our assets, our stockholders may experience dilution in both the book value and fair value of their shares.

***The actual number of shares we will issue under the sales agreement, at any one time or in total, is uncertain.***

Subject to certain limitations in the sales agreement and compliance with applicable law, we have the discretion to deliver placement notices to Needham at any time throughout the term of the sales agreement. The number of shares that are sold by Needham after our delivering a placement notice will fluctuate based on the market price of the common stock during the sales period and limits we set with Needham.

***The shares of common stock offered under this prospectus supplement and the accompanying prospectus may be sold in “at-the-market” offerings, and investors who buy shares at different times will likely pay different prices.***

Investors who purchase shares under this prospectus supplement and the accompanying prospectus at different times will likely pay different prices, and so may experience different outcomes in their investment results. We will have discretion, subject to market demand, to vary the timing, prices, and numbers of shares sold, and there is no minimum or maximum sales price. Investors may experience declines in the value of their shares as a result of share sales made at prices lower than the prices they paid.

***Resales of our common stock in the public market during this offering by our stockholders may cause the market price of our common stock to fall.***

We may issue common stock from time to time in connection with this offering. This issuance from time to time of these new shares of our common stock, or our ability to issue these shares of common stock in this offering, could result in resales of our common stock by our current stockholders concerned about the potential dilution of their holdings. In turn, these resales could have the effect of depressing the market price for our common stock.



***There may be future sales or other dilution of our equity which may adversely affect the market price of our common stock.***

We may from time to time issue additional common stock, including securities that are convertible into or exchangeable for, or that represent the right to receive, common stock. The issuance of additional shares of our common stock or other issuances of our common stock or convertible or other equity-linked securities, including options and warrants, or otherwise, in connection with capital-raising transactions, as payment of the consideration for acquisitions or for employee compensation or other purposes will dilute the ownership interest of our common stockholders. Sales of a substantial number of shares of our common stock or other equity-related securities in the public market could depress the market price of our common stock and impair our ability to raise capital through the sale of additional equity securities. We cannot predict the effect that future sales of our common stock or other equity-related securities would have on the market price of our common stock.

***We are not currently paying dividends and will likely not pay dividends for the foreseeable future.***

We have never paid or declared any cash dividends on our common stock. We currently intend to retain all available funds and any future earnings to fund the development and expansion of our business, and we do not anticipate paying any cash dividends in the foreseeable future. Any future determination to pay dividends will be at the discretion of our board of directors and will depend on our financial condition, results of operations, capital requirements, contractual restrictions and other factors that our board of directors deems relevant.

***Our common stock price may be volatile as a result of this offering.***

The trading price of our common stock may fluctuate substantially as a result of this offering. The stock markets have experienced extreme price and volume fluctuations that have affected and continue to affect the market prices of equity securities of many companies. These fluctuations may be unrelated or disproportionate to the operating performance of those companies. These broad market and industry fluctuations, as well as general economic, political and market conditions such as recessions, interest rate changes, or international currency fluctuations, may negatively impact the market price of shares of our common stock. In addition, such fluctuations could subject us to securities class action litigation, which could result in substantial costs and divert our management's attention from other business concerns, which could seriously harm our business.

## CAUTIONARY STATEMENTS REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus and the registration statement of which they are a part contain or incorporate by reference “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the Securities Exchange Act of 1934 (the “Exchange Act”), regarding our business, financial conditions, results of operations and prospects. Forward-looking statements are generally written in the future tense and/or are preceded by words such as “will,” “may,” “should,” “forecast,” “could,” “expect,” “suggest,” “believe,” “anticipate,” “intend,” “plan,” or other similar words. In addition, from time to time we or our representatives have made or will make forward-looking statements orally or in writing. Furthermore, such forward-looking statements may be included in various filings that we make with the Commission, or press releases or oral statements made by or with the approval of one of our authorized executive officers. We intend that these forward-looking statements be subject to the safe harbors created by the relevant provisions of the Securities Act and the Exchange Act.

Forward-looking statements involve a number of risks and uncertainties, many of which are outside of our control. Factors that might cause actual results to differ include, but are not limited to, those set forth under Item 1A, “Risk Factors,” in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 and our quarterly reports on Form 10-Q for the quarters ended March 31, 2024, June 30, 2024 and September 29, 2024, and the risks, uncertainties and assumptions in our future filings made with the Commission. In particular, factors that could cause actual results to differ materially from projected results include, but are not limited to: (i) the conversion of our design opportunities into revenue; (ii) the commercial and technical success of our new products and our successful introduction of products and solutions incorporating emerging technologies or standards; (iii) the timing, milestones, and payments related to our government contracts, (iv) our dependence on our relationships with third parties to manufacture our products and solutions; (v) our dependence upon single suppliers to fabricate and assemble our products; (vi) the liquidity required to support our future operating and capital requirements; (vii) our ability to accurately estimate quarterly revenue; (viii) our expectations about market and product trends; (ix) our future plans for partnerships and collaborations; (x) our dependence upon a few customers for a significant portion of our total revenue; (xi) our ability to forecast demand for our products; (xii) our dependence on our international business operations; (xiii) our ability to attract and retain key personnel; (xiv) our ability to remain competitive in our industry; (xv) our ability to protect our intellectual property rights; (xvi) our ability to prevent cyberattacks and protect our data; and (xvii) global hostilities, including the invasion of Ukraine by Russia and resulting regional instability, and the continued hostilities and armed conflict in the Middle East, which could adversely impact the global supply chain, disrupt our operations, or negatively impact the demand for our products in our primary end markets.

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Although we believe that the assumptions underlying our forward-looking statements are reasonable, any of the assumptions could be inaccurate, and therefore there can be no assurance that such statements will be accurate. In light of the significant uncertainties inherent in our forward-looking statements, the inclusion of such information should not be regarded as a representation by us or any other person that the results or conditions described in such statements or our objectives and plans will be achieved. Furthermore, past performance in operations and share price is not necessarily indicative of future performance. QuickLogic disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. You are advised, however, to consult any additional disclosures we have made or will make in our reports to the Commission on Forms 10-K, 10-Q and 8-K. All subsequent written and oral forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by the cautionary statements contained in this prospectus supplement and accompanying prospectus.

## USE OF PROCEEDS

We may issue and sell shares of our common stock having aggregate gross proceeds of up to \$20,000,000 from time to time under this prospectus supplement and the accompanying prospectus. Because there is no minimum offering amount required as a condition to close this offering, the actual total offering amount, commissions and proceeds to us, if any, are not determinable at this time. The amount of proceeds from this offering will depend upon the number of shares of our common stock sold and the market price at which they are sold. There can be no assurance that we will be able to sell any shares under or fully utilize the sales agreement as a source of financing.

We currently intend to use the net proceeds, if any, from this offering for general corporate and working capital purposes. We may also use a portion of the net proceeds to acquire and/or license technologies and acquire and/or invest in businesses when the opportunity arises; however, we currently have no commitments or agreements and are not involved in any negotiations with respect to any such transactions.

The amounts and timing of our actual expenditures will depend on numerous factors, including the factors described under “Risk Factors” in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein and therein, as well as the amount of cash used in our operations. As a result, our management will have broad discretion in the application of the net proceeds of this offering. We have no current plans, commitments or agreements with respect to any acquisitions as of the date of this prospectus supplement. Pending the application of the net proceeds, we expect to invest the net proceeds of this offering in investment-grade, interest-bearing securities.

## **DIVIDEND POLICY**

We have never declared or paid any dividends on our capital stock. We currently expect to retain future earnings, if any, for use in the operation and expansion of our business and do not anticipate paying any cash dividends in the foreseeable future.

## **DESCRIPTION OF SECURITIES**

### **General**

Our authorized capital stock consists of 210,000,000 shares. Those shares consist of (1) 200,000,000 shares designated as common stock, \$0.001 par value, and (2) 10,000,000 shares designated as preferred stock, \$0.001 par value. The only equity securities currently outstanding are shares of common stock. As of February 21, 2025, there were 15,349,609 shares of common stock issued and outstanding.

### **Common Stock**

Our common stock is listed on the Nasdaq Capital Market under the symbol "QUIK." The transfer agent and registrar for the common stock is Equiniti Trust Company, LLC (formerly American Stock Transfer and Trust Company). Its address is 6201 15th Avenue, Brooklyn, NY 11219, and its telephone number is 800-937-5449.

The material terms of our common stock are described under the heading "Description of Capital Stock" in the accompanying prospectus.

## DILUTION

If you invest in this offering, your interest will be diluted to the extent of the difference between the public offering price per share and the as adjusted net tangible book value per share of our common stock immediately after this offering.

Our net tangible book value at the end of September 29, 2024 was \$17.9 million or \$1.22 per share. Net tangible book value per share is determined by dividing our total tangible assets, less total liabilities, by the number of shares of our common stock outstanding as of September 29, 2024. Dilution in net tangible book value per share represents the difference between the public offering price per share and the as adjusted net tangible book value per share of our common stock immediately after giving effect to this offering.

After giving effect to the issuance and sale of our common stock in the aggregate amount of \$20,000,000 in this offering, at an assumed offering price of \$7.30 per share, the last reported sale price of our common stock on the Nasdaq on February 21, 2025, and after deducting estimated offering commissions and estimated offering expenses payable by us, our adjusted net tangible book value as of September 29, 2024, would have been approximately \$0.46 per share. This represents an immediate decrease in net tangible book value of \$0.76 per share to existing stockholders and immediate dilution in net tangible book value of \$6.84 per share to investors purchasing our common stock in this offering at the public offering price.

The following table illustrates this dilution on a per share basis.

Offering price per share	\$		\$	7.30
Net tangible book value per share as of September 29, 2024	\$		1.22	
Decrease in net tangible book value per share attributable to new investors			0.76	
As adjusted net tangible book value per share after this offering	\$		0.46	
Dilution per share to investors in this offering				\$ 6.84

The above discussion and table assumes for illustrative purposes that an aggregate of 2,739,726 shares of our common stock are sold at a price of \$7.30 per share, the last reported sale price of our common stock on the Nasdaq on February 21, 2025, for aggregate gross proceeds of approximately \$20,000,000. The shares sold in this offering, if any, will be sold from time to time at various prices. An increase of \$0.50 per share in the price at which the shares are sold from the assumed offering price of \$7.30 per share shown in the table above, assuming all of our common stock in the aggregate amount of \$20,000,000 is sold at that price, would decrease our adjusted net tangible book value per share after the offering by \$0.76 per share and would increase the dilution in net tangible book value per share to new investors in this offering by \$0.46 per share, after deducting estimated offering expenses and commissions payable by us. A decrease of \$0.50 per share in the price at which the shares are sold from the assumed offering price of \$7.30 per share shown in the table above, assuming all of our common stock in the aggregate amount of \$20,000,000 is sold at that price, would decrease our adjusted net tangible book value per share after the offering by \$0.75 per share and would decrease the dilution in net tangible book value per share to new investors in this offering by \$0.47 per share, after deducting estimated offering expenses and commissions payable by us. This information is supplied for illustrative purposes only.

The information set forth above is based on 14,694,132 shares issued and outstanding as of September 29, 2024 which excludes the following:

- 53,569 shares of common stock issuable upon the exercise of stock options outstanding with a weighted-average exercise price of \$15.64 per share;
- an aggregate 802,085 shares of unvested restricted stock units; and
- 55,512 shares of common stock reserved for future issuance under our equity incentive plans.

To the extent that outstanding options are exercised or outstanding restricted stock units vest, investors purchasing our common stock in this offering may experience further dilution. In addition, we may choose to raise additional capital due to market conditions or strategic considerations even if we believe we have sufficient funds for our current or future operating plans. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the issuance of these securities could result in further dilution to our stockholders.

## PLAN OF DISTRIBUTION

We have entered into a sales agreement with Needham & Company, LLC, acting in its capacity as the sales agent, or the sales agent, relating to the sale of shares of our common stock offered by this prospectus supplement. Under this prospectus supplement, in accordance with the terms of the sales agreement, we may sell shares of our common stock for an aggregate offering price of up to \$20,000,000 from time to time through the sales agent, acting as the sales agent, subject to certain limitations, including the number or dollar amount of shares registered under the registration statement to which the offering relates. The sales, if any, of shares made under the sales agreement will be made by any method that is deemed an “at the market offering” as defined in Rule 415 promulgated under the Securities Act. We may instruct the sales agent not to sell common stock if the sales cannot be effected at or above the price designated by us from time to time. We or the sales agent may suspend the offering of common stock upon notice and subject to other conditions.

Each time we wish to issue and sell common stock under the sales agreement, we will notify the sales agent of the number or dollar value of shares to be issued, the dates on which such sales are anticipated to be made, any minimum price below which sales may not be made and other sales parameters as we deem appropriate. Once we have so instructed the sales agent, unless it declines to accept the terms of the notice, the sales agent has agreed to use its commercially reasonable efforts consistent with its normal trading and sales practices to sell such shares up to the amount specified on such terms. The obligations of the sales agent under the sales agreement to sell our common stock is subject to a number of conditions that we must meet.

We will pay the sales agent an aggregate commission equal to up to 3.0% of the gross proceeds from the sale of common stock offered hereby. In addition, we have agreed to reimburse certain expenses of the sales agent in an amount not to exceed an aggregate of up to \$70,000 in connection with the establishment of this “at the market offering” and an aggregate of \$5,000 in connection with each periodic update of such “at the market offering.”

In accordance with Financial Industry Regulatory Authority, Inc. Rule 5110, these fees and reimbursed expenses are deemed sales compensation in connection with this offering. We estimate that the total expenses for the offering, excluding compensation payable to the sales agent under the terms of the sales agreement, will be approximately \$80,000.

Settlement for sales of common stock will generally occur on the first trading day following the date on which any sales are made, or on some other date that is agreed upon by us and the sales agent in connection with a particular transaction, in return for payment of the net proceeds to us. There is no arrangement for funds to be received in an escrow, trust or similar arrangement.

In connection with the sale of shares of our common stock on our behalf, the sales agent will be deemed to be an “underwriter” within the meaning of the Securities Act and the compensation of the sales agent will be deemed to be underwriting commissions or discounts. We have agreed to provide indemnification and contribution to the sales agent against certain civil liabilities, including liabilities under the Securities Act. We have also agreed to reimburse the sales agent for certain other specified expenses.

The offering of our common stock pursuant to this prospectus supplement will terminate upon the earlier of (i) the sale of all of our common stock provided for in this prospectus supplement or (ii) termination of the sales agreement as provided therein.

Our common stock is listed on the Nasdaq under the symbol “QUIK.” The transfer agent for our common stock is Equiniti Trust Company, LLC (formerly American Stock Transfer & Trust Company).

The sales agent and its affiliates may in the future provide various investment banking and other financial services for us and our affiliates, for which services they may in the future receive customary fees. To the extent required by Regulation M, the sales agent will not engage in any market making activities involving our common stock while the offering is ongoing under this prospectus supplement.

## LEGAL MATTERS

The NBD Group, Inc., Los Angeles, California will pass upon the validity of the issuance of the securities offered by this prospectus supplement and the accompanying prospectus. Needham is being represented in connection with this offering by DLA Piper LLP (US), New York, New York.

## EXPERTS

The consolidated financial statements and financial statement schedules incorporated in this Prospectus Supplement to the Registration Statement on Form S-3 by reference from QuickLogic Corporation's Annual Report on Form 10-K for the year ended December 31, 2023 have been audited by Moss Adams LLP, an independent registered public accounting firm, as stated in their report, which is incorporated herein by reference. Such consolidated financial statements have been incorporated in reliance upon the report of such firm given their authority as experts in accounting and auditing.

## WHERE YOU CAN FIND MORE INFORMATION

This prospectus supplement and the accompanying prospectus are part of the registration statement on Form S-3 we filed with the SEC under the Securities Act and do not contain all the information set forth in the registration statement. Whenever a reference is made in this prospectus supplement or the accompanying prospectus to any of our contracts, agreements or other documents, the reference may not be complete and you should refer to the exhibits that are a part of the registration statement or the exhibits to the reports or other documents incorporated by reference in this prospectus supplement and the accompanying prospectus for a copy of such contract, agreement or other document. Because we are subject to the information and reporting requirements of the Exchange Act, we file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public over the Internet at the SEC's website at <http://www.sec.gov>. We also maintain a website at [www.quicklogic.com](http://www.quicklogic.com), through which you can access our SEC filings. The information set forth on our website is not part of this prospectus supplement or the accompanying prospectus.

## INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to "incorporate by reference" certain information from other documents that we file with it, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered to be part of this prospectus supplement and the accompanying prospectus. Information contained in this prospectus supplement and the accompanying prospectus and information that we file with the SEC in the future and incorporate by reference in this prospectus supplement and the accompanying prospectus will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings (other than information in current reports furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits filed on such form that are related to such items) we make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act, after the date of this prospectus supplement and prior to the termination of the offering of the common stock covered by this prospectus supplement (Commission File No. 333-266942):

- our annual report on Form 10-K for the fiscal year ended December 31, 2023, filed with the SEC on [March 27, 2024](#);
- the information specifically incorporated by reference into the annual report on Form 10-K for the fiscal year ended December 31, 2023 from our definitive proxy statement on Schedule 14A, filed with the SEC on [March 28, 2024](#);
- our quarterly reports on Form 10-Q for the fiscal quarters ended March 31, 2024, June 30, 2024, and September 29, 2024, filed with the SEC on [May 15, 2024](#), [August 14, 2024](#) and [November 13, 2024](#), respectively;



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- our current reports on Form 8-K, filed with the SEC on [March 18, 2024](#), [April 1, 2024](#), [May 10, 2024](#), [June 7, 2024](#); [December 11, 2024](#) and [January 7, 2025](#);<sup>\*</sup> and
- the description of our common stock contained in our [Description of the Registrant's Securities Exhibit 4.3](#) to our Form 10-K for the fiscal year ended December 31, 2023, filed with the SEC on March 27, 2024, including all amendments and reports filed for the purpose of updating such information

This prospectus supplement may contain information that updates, modifies or is contrary to information in one or more of the documents incorporated by reference in this prospectus supplement or the accompanying prospectus. Reports we file with the SEC after the date of this prospectus supplement may also contain information that updates, modifies or is contrary to information in this prospectus supplement or the accompanying prospectus or in documents incorporated by reference in this prospectus supplement or the accompanying prospectus. Investors should review these reports as they may disclose a change in our business, prospectus, financial condition or other affairs after the date of this prospectus supplement.

Our website is [www.quicklogic.com](http://www.quicklogic.com). Our website contains links to our filings available on the SEC website. We will also provide electronic or paper copies of our filings free of charge upon written or oral request. The information available on or through our websites is not a part of this prospectus supplement or the accompanying prospectus and should not be relied upon. You can request a free copy of the above filings or any filings subsequently incorporated by reference into this prospectus supplement or the accompanying prospectus by writing, emailing, or calling us at:

**Elias Nader**  
**QuickLogic Corporation**  
**2220 Lundy Avenue, San Jose, California 95131-1816**  
**[ir@quicklogic.com](mailto:ir@quicklogic.com)**  
**(408) 990-4000**

\* Pursuant to General Instruction B(2) of Form 8-K, information or reports “furnished” on Form 8-K are not deemed to be “filed” for the purpose of Section 18 of the Exchange Act and are not subject to the liabilities of that section. Unless otherwise specifically noted in the Form 8-K, we are not incorporating and will not incorporate by reference future information or reports “furnished” on Form 8-K into this prospectus supplement or the accompanying prospectus.

PROSPECTUS

\$125,000,000

# QUICKLOGIC CORPORATION

By this prospectus, we may offer, from time to time

- Common stock
- Preferred stock
- Depositary shares
- Warrants
- Debt Securities
- Units

All of the securities listed above may be sold separately or as units with other securities.

From time to time, we may offer up to \$125,000,000 of the securities described in this prospectus either individually or as units comprised of one or more of the other securities, or any combination thereof. Any preferred stock that we sell may be sold either as shares of preferred stock or represented by depositary shares.

Our common stock is listed on the NASDAQ Capital Market under the symbol "QUIK." On August 16, 2022, the last reported sale price of our common stock on the NASDAQ Capital Market was \$8.19 per share.

We will provide specific terms of these securities in supplements to this prospectus. You should read this prospectus and any supplement carefully before you purchase any of our securities.

**Investing in our securities involves risks. You should carefully consider the risks described under "Risk Factors" on page 6 of this prospectus, as well as in the applicable prospectus supplement, any related free writing prospectus and other information contained or incorporated by reference in this prospectus and the applicable prospectus supplement, before making a decision to invest in our securities.**

We may offer the securities in amounts, at prices and on terms determined at the time of offering. We may sell the securities directly to you, through agents we select, or through underwriters and dealers we select. If we use agents, underwriters or dealers to sell the securities, we will name them and describe their compensation in a prospectus supplement. We will also set forth in a prospectus supplement the price to the public of such securities and the net proceeds that we expect to receive from such sale. For additional information regarding the methods of sale, you should refer to the section entitled "Plan of Distribution" in this prospectus.

**THIS PROSPECTUS MAY NOT BE USED TO OFFER AND SELL SECURITIES UNLESS ACCOMPANIED BY A PROSPECTUS SUPPLEMENT RELATING TO THE OFFERED SECURITIES.**

**NEITHER THE SECURITIES AND EXCHANGE COMMISSION NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED OF THESE SECURITIES OR PASSED UPON THE ADEQUACY OR ACCURACY OF THIS PROSPECTUS. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.**

This prospectus is dated August 26, 2022.

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## ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we have filed with the Securities and Exchange Commission, or the Commission, using a “shelf” registration process. Under this shelf process, we may, from time to time, sell any combination of the securities described in this prospectus in one or more offerings up to a total dollar amount of \$125,000,000. This prospectus provides you with a general description of the securities we may offer.

Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering. This prospectus does not contain all of the information included in the registration statement. For a more complete understanding of the offering of the securities, you should refer to the registration statement, including its exhibits. The prospectus supplement may also add, update or change information contained in this prospectus. You should read both this prospectus and any prospectus supplement, including the risk factors, together with the additional information described under the heading “Where You Can Find More Information.”

***THIS PROSPECTUS MAY NOT BE USED TO OFFER AND SELL SECURITIES UNLESS IT IS ACCOMPANIED BY A PROSPECTUS SUPPLEMENT.***

You should rely only on the information provided in this prospectus, in any prospectus supplement, or any other offering material that we authorize, including the information incorporated by reference. No person has been authorized to give any information or make any representations in connection with this offering other than those contained or incorporated by reference in this prospectus, any accompanying prospectus supplement or any free writing prospectus in connection with the offering described herein and therein, and, if given or made, such information or representations must not be relied upon as having been authorized by us. You should not assume that the information in this prospectus, any supplement to this prospectus, or any other offering material that we authorize, is accurate at any date other than the date indicated on the cover page of these documents or the date of the statement contained in any incorporated documents, respectively. This prospectus is not an offer to sell or a solicitation of an offer to buy any securities other than the securities referred to in the prospectus supplement. This prospectus is not an offer to sell or a solicitation of an offer to buy such securities in any circumstances in which such offer or solicitation is unlawful. You should not interpret the delivery of this prospectus, or any sale of securities, as an indication that there has been no change in our affairs since the date of this prospectus. You should also be aware that information in this prospectus may change after this date. The information contained in this prospectus or a prospectus supplement or amendment, or incorporated herein or therein by reference, is accurate only as of the date of this prospectus or prospectus supplement or amendment, as applicable, regardless of the time of delivery of this prospectus or prospectus supplement or amendment, as applicable, or of any sale of the shares.

As used in this prospectus, unless the context indicates or otherwise requires, “the Company,” “QuickLogic,” “we,” “us,” or “our” refer to the combined business of QuickLogic Corporation and all of its subsidiaries.

## PROSPECTUS SUMMARY

*This summary highlights certain information about us and selected information contained elsewhere in or incorporated by reference into this prospectus. This summary is not complete and does not contain all of the information that you should consider before deciding to invest in our common stock. For a more complete understanding of our company, we encourage you to read and consider carefully the more detailed information in this prospectus, including the information incorporated by reference in this prospectus, and the information under the heading “Risk Factors” in this prospectus, beginning on page [ ] before making an investment decision.*

### ABOUT QUICKLOGIC CORPORATION

QuickLogic Corporation was founded in 1988 and reincorporated in Delaware in 1999. Our vision is to transform the way people and devices interact with each other and their surroundings. Our mission is to provide innovative silicon and software platforms to successfully enable our customers to develop products that fundamentally change the end-user experience. Specifically, we are a fabless semiconductor company that develops a full stack platform for artificial intelligence, or AI, voice and sensor processing. The platform is based on our embedded Field Programmable Gate Array (“eFPGA”), intellectual property (“IP”), low power, multi-core semiconductor system-on-chips (“SoCs”), discrete FPGAs, and AI software. Our customers can use our eFPGA IP for hardware acceleration and pre-processing in their own customer semiconductor devices, our SoCs to run our customer’s software and build their hardware around, and our discrete FPGAs to implement their custom functionality. The Analytics Toolkit from SensiML Corporation (“SensiML”), our wholly owned subsidiary, provides an end-to-end Artificial Intelligence / Machine Learning solution with accurate sensor algorithms using AI technology. The full range of platforms, software tools and eFPGA IP enables the practical and efficient adoption of AI, voice and sensor processing across Consumer / Industrial IoT, Consumer Electronics, Military, Aerospace and Defense markets.

Our new products include our ArcticPro™, EOS™, QuickAI™, SensiML Analytics Toolkit, ArcticLink® III, PolarPro®3, PolarPro II, PolarPro, and Eclipse II products (which together comprise our new product category). Our mature products include primarily FPGA families named pASIC®3 and QuickRAM® as well as programming hardware and design software. In addition to delivering our own semiconductor solutions, we have an IP business that licenses our eFPGA technology for use in other semiconductor companies SoCs. We began delivering our eFPGA IP product ArcticPro in 2017, which is included in the new product revenue category along with subsequent families of our eFPGA IP. Through the acquisition of SensiML, we now have an AI software platform that includes Software-as-a-Service (SaaS) subscriptions for development, per unit license fees when deployed in production, and proof-of-concept services, all of which are also included in the new product revenue category.

Our solutions typically fall into one of four categories: Sensor Processing, eFPGA IP and its associated Tools, Display and Smart Connectivity. Our solutions include a unique combination of our silicon platforms, IP cores, software drivers, and in some cases, firmware and application software. All of our silicon platforms are standard devices and must be programmed to be effective in a system.

Through the acquisition of SensiML, in January 2019, our core IP also expanded to include the SensiML Analytics Toolkit that enables Original Equipment Manufacturers (“OEMs”), to develop AI software for a broad array of resource-constrained time-series sensor endpoint applications. These include a wide range of consumer and industrial sensing applications.

We collaborate with multiple partners on reference designs, and in some cases, co-marketing and/or co-selling initiatives. QuickLogic also works with processor manufacturers, sensor manufacturers, and voice recognition, sensor fusion and context awareness algorithm developers, and embedded systems companies in the development of reference designs. Through reference designs that incorporate our solutions, we believe processor manufacturers, sensor manufacturers, and sensor and voice algorithm companies can expand the available market for their respective products. Furthermore, should a solution developed for a processor manufacturer or sensor and/or sensor algorithm company be applicable to a set of common OEMs or ODMs, we can amortize our R&D investment over that set of OEMs. There may also be cases when platform providers that intend to use always-on voice recognition will dictate certain performance requirements for the combined software/hardware solution before the platform provider certifies and/or qualifies our product for use by end customers.

SensiML collaborates with several microcontroller and sensors manufacturers to integrate the microcontroller and/or sensor manufacturers' development kits with SensiML's Analytics Toolkit in order to showcase combined solutions for AI/ML applications. Currently, these collaborations include, Infineon, Onsemi, Microchip Technology, Silicon Labs, ST Microelectronics, Arduino, NXP, Raspberry Pi, and Nordic Semiconductor.

We have changed our manufacturing strategies to reduce the cost of our silicon solution platforms to enable their use in high volume, mass customization products. Our EOS S3, EOS S3AI, QuickAI and ArcticLink III silicon platforms combine mixed signal physical functions and hard-wired logic alongside programmable logic. Our EOS S3, EOS S3AI and ArcticLink III solution platforms are manufactured on an advanced process node where we can benefit from smaller die sizes. We typically implement sophisticated logic blocks and mixed signal functions in hard-wired logic because it is very cost-effective and energy efficient. We use small form factor packages, which are less expensive to manufacture and include smaller pin counts. Reduced pin counts result in lower costs for our customer's printed circuit board space and routing. Furthermore, our SRAM reprogrammable silicon platforms can be programmed in-system by our customers, and therefore we do not incur programming costs, lowering the overall cost of ownership to our customers. We expect to continue to invest in silicon solution platforms and manufacturing technologies that make us competitive for the variety of markets and applications that programmable logic serves.

Our eFPGA IP are currently developed on 250nm, 130nm, 90nm, 65nm, 40nm, 28nm and 22nm process nodes. The licensable IP is generated by an automated compiler tool, called Australis™, that enables our engineers to create an eFPGA IP for our licensees that they can then integrate into their SoC without significant involvement by QuickLogic. We believe this flow enables a scalable development and support model for QuickLogic. For our eFPGA strategy, we typically work with semiconductor manufacturing partners prior to this IP being licensed to a SoC company.

In order to grow our revenue from its current level, we depend upon increased revenue from our new products including existing new product platforms, eFPGA IP and platforms currently in development. We expect our business growth to be driven mainly by our silicon solutions, eFPGA IP and SensiML AI Software. Therefore, our revenue growth needs to be strong enough to enable us to sustain profitability while we continue to invest in the development, sales and marketing of our new solution platforms, IP and software.

#### **Corporate Information**

We are a Delaware corporation, and our principal executive offices are located at 2220 Lundy Avenue, San Jose, California, 95131. Our telephone number at that address is (408) 990-4000. Our website is located at [www.quicklogic.com](http://www.quicklogic.com). We have not incorporated by reference into this prospectus the information on our website, and you should not consider it to be a part of this document.

## **RISK FACTORS**

Investing in our securities involves risks. Before making an investment decision, you should carefully consider the risks described in Part I, Item 1A, Risk Factors, in our Annual Report on Form 10-K for the fiscal year ended January 2, 2022, and any subsequent Quarterly Reports on Form 10-Q, together with the other information set forth herein and in the other documents that we include or incorporate by reference into this prospectus and any prospectus supplement or free writing prospectus, as updated by our subsequent filings under the Securities Exchange Act of 1934, as amended (“Exchange Act”). These risks could materially and adversely affect our business, results of operations, financial condition and future results and could result in a partial or complete loss of your investment. Additional risks and uncertainties not currently known to us or that we currently deem to be immaterial also may materially adversely affect our business, financial condition and operating results. See “Where You Can Find More Information.”

## SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus, any related prospectus supplement and the registration statement of which they are a part contain or incorporate by reference “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the Securities Exchange Act of 1934 (the “Exchange Act”), regarding our business, financial conditions, results of operations and prospects. Forward-looking statements are generally written in the future tense and/or are preceded by words such as “will,” “may,” “should,” “forecast,” “could,” “expect,” “suggest,” “believe,” “anticipate,” “intend,” “plan,” or other similar words. In addition, from time to time we or our representatives have made or will make forward-looking statements orally or in writing. Furthermore, such forward-looking statements may be included in various filings that we make with the Commission, or press releases or oral statements made by or with the approval of one of our authorized executive officers. We intend that these forward-looking statements be subject to the safe harbors created by the relevant provisions of the Securities Act and the Exchange Act.

Forward-looking statements involve a number of risks and uncertainties, many of which are outside of our control. Factors that might cause actual results to differ include, but are not limited to, those set forth under Item 1A, “Risk Factors,” in our Annual Report on Form 10-K for the fiscal year ended January 2, 2022 and the risks, uncertainties and assumptions in our future filings made with the Commission. In particular, factors that could cause actual results to differ materially from projected results include, but are not limited to: (i) the conversion of our design opportunities into revenue; (ii) the commercial and technical success of our new products and our successful introduction of products and solutions incorporating emerging technologies or standards; (iii) our dependence on our relationships with third parties to manufacture our products and solutions; (iv) our dependence upon single suppliers to fabricate and assemble our products; (v) the liquidity required to support our future operating and capital requirements; (vi) our ability to accurately estimate quarterly revenue; (vii) our expectations about market and product trends; (viii) our future plans for partnerships and collaborations; (ix) our dependence upon a few customers for a significant portion of our total revenue; (x) our ability to forecast demand for our products; (xi) our dependence on our international business operations; (xii) our ability to attract and retain key personnel; (xiii) our ability to remain competitive in our industry; (xiv) our ability to protect our intellectual property rights; (xv) our ability to prevent cyberattacks and protect our data; and (xvi) our ability to handle natural disasters and epidemics, such as the recent outbreak of the COVID-19 virus.

Although we believe that the assumptions underlying our forward-looking statements are reasonable, any of the assumptions could be inaccurate, and therefore there can be no assurance that such statements will be accurate. In light of the significant uncertainties inherent in our forward-looking statements, the inclusion of such information should not be regarded as a representation by us or any other person that the results or conditions described in such statements or our objectives and plans will be achieved. Furthermore, past performance in operations and share price is not necessarily indicative of future performance. QuickLogic disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. You are advised, however, to consult any additional disclosures we have made or will make in our reports to the Commission on Forms 10-K, 10-Q and 8-K. All subsequent written and oral forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by the cautionary statements contained in this prospectus.



## USE OF PROCEEDS

Unless otherwise indicated in the prospectus supplement, the net proceeds from the sale of securities offered by this prospectus will be used for general corporate purposes, which may include, but is not limited to, working capital, licensing or acquiring intellectual property or technologies to incorporate in our products, capital expenditures, to fund possible investments in and acquisitions of complementary businesses, partnerships, minority investments or to repay debt.

We have not determined the amounts we plan to spend on the areas listed above or the timing of these expenditures. As a result, our management will have broad discretion to allocate the net proceeds of the offerings. We have no current plans, commitments or agreements with respect to any acquisitions as of the date of this prospectus. Pending the application of the net proceeds, we expect to invest the proceeds in investment-grade, interest-bearing securities.

## SECURITIES WE MAY OFFER

We may issue from time to time, up to \$125,000,000 of common stock, preferred stock, depositary shares, warrants and debt securities in one or more offerings either individually or as units comprised of one or more of such securities or any combination thereof. Any shares of preferred stock that we may offer may be offered either as shares of preferred stock or be represented by depositary shares. This prospectus provides you with a general description of the securities we may offer. A prospectus supplement, which we will provide each time we offer securities, will describe the specific amounts, prices and terms of these securities. Where applicable, the prospectus supplement, information incorporated by reference or free writing prospectus will also describe any material United States federal income tax considerations relating to the securities offered and indicate whether the securities offered are or will be listed on any securities exchange. The summaries contained in this prospectus and in any prospectus supplements, information incorporated by reference or free writing prospectus may not contain all of the information that you would find useful. Accordingly, you should read the actual documents relating to any securities sold pursuant to this prospectus. See “Where You Can Find Additional Information” and “Incorporation of Certain Information by Reference” for information about how to obtain copies of those documents

### Common Stock

We may offer shares of our common stock, par value \$0.001 per share, either alone or underlying other registered securities convertible into our common stock. Holders of our common stock are entitled to receive dividends declared by our board of directors out of funds legally available for the payment of dividends, subject to rights, if any, of preferred stockholders. Currently, we do not pay dividends. Each holder of common stock is entitled to one vote per share. The holders of common stock have no preemptive rights.

### Preferred Stock and Depositary Shares

We may issue preferred stock in one or more series. Our board of directors or a committee designated by the board will determine the dividend, voting and conversion rights and other provisions at the time of sale. Each series of preferred stock will be more fully described in the particular prospectus supplement that will accompany this prospectus, including redemption provisions, rights in the event of liquidation, dissolution or the winding up of QuickLogic, voting rights and rights to convert into common stock. We may also issue fractional shares of preferred stock that will be represented by depositary shares and depositary receipts. Each particular series of depositary shares will be more fully described in the prospectus supplement that will accompany this prospectus.

### Warrants

We may issue warrants for the purchase of common stock, preferred stock or depositary shares. We may issue warrants independently or together with other securities.

### Debt Securities

We may offer secured or unsecured obligations in the form of one or more series of senior or subordinated debt. The senior debt securities and the subordinated debt securities are together referred to in this prospectus as the “debt securities.” The senior debt securities will have the same rank as all of our other unsubordinated debt. The subordinated debt securities generally will be entitled to payment only after payment of our senior debt. Senior debt generally includes all debt for money borrowed by us, except debt that is stated in the instrument governing the terms of that debt to be not senior to, or to have the same rank in right of payment as, or to be expressly junior to, the subordinated debt securities. We may issue debt securities that are convertible into shares of our common stock.

The senior and subordinated debt securities will be issued under separate indentures between us and a trustee. We have summarized the general features of the debt securities to be governed by the indentures. These indentures have been filed as exhibits to the registration statement that we have filed with the SEC (this prospectus being part of that registration statement). We encourage you to read these indentures. Instructions on how you can get copies of these documents are provided under the heading “Where You Can Find More Information.”

### Units

We may issue units comprised of one or more of the other classes of securities issued by us as described in this prospectus or any combination thereof. Each unit will be issued so that the holder of the unit is also the holder of each security included in the unit.

## DESCRIPTION OF CAPITAL STOCK

### General

As of the date of this prospectus, our authorized capital stock consists of 210,000,000 shares. Those shares consist of (1) 200,000,000 shares designated as common stock, \$0.001 par value, and (2) 10,000,000 shares designated as preferred stock, \$0.001 par value. The only equity securities currently outstanding are shares of common stock. As of August 12, 2022, there were 12,591,225 shares of common stock outstanding.

The following summary describes the material terms of our capital stock. The description of capital stock is qualified by reference to our amended and restated certificate of incorporation and our amended and restated bylaws, both of which are incorporated by reference as an exhibit into the registration statement of which this prospectus is a part.

### Common Stock

The holders of common stock are entitled to one vote per share on all matters to be voted upon by the stockholders. Subject to preferences that may be applicable to any outstanding preferred stock, the holders of common stock are entitled to receive ratably such dividends, if any, as may be declared from time to time by the board of directors out of funds legally available for that purpose. Currently, we are not paying dividends. In the event of a liquidation, dissolution or winding up of the corporation, the holders of common stock are entitled to share ratably in all assets remaining after payment of liabilities, subject to prior distribution rights of preferred stock, if any, then outstanding. The common stock has no preemptive or conversion rights or other subscription rights. There are no redemption or sinking fund provisions applicable to the common stock. All outstanding shares of common stock are fully paid and nonassessable, and any shares of common stock to be issued upon an offering pursuant to this prospectus and the related prospectus supplement will be fully paid and nonassessable upon issuance.

Our common stock is listed on the NASDAQ Capital Market under the symbol "QUIK." The transfer agent and registrar for the common stock is American Stock Transfer & Trust Company. Its address is 6201 15<sup>th</sup> Ave, Brooklyn, NY 11219, and its telephone number is 800-937-5449.

### Preferred Stock

The following description of preferred stock and the description of the terms of a particular series of preferred stock that will be set forth in the related prospectus supplement are not complete. These descriptions are qualified in their entirety by reference to the certificate of designation relating to that series. The rights, preferences, privileges and restrictions of the preferred stock of each series will be fixed by the certificate of designation relating to that series. The prospectus supplement also will contain a description of certain United States federal income tax consequences relating to the purchase and ownership of the series of preferred stock that is described in the prospectus supplement.

Pursuant to our fourth amended and restated certificate of incorporation, as amended, our board of directors has the authority, without further action by the stockholders, and subject to limitations prescribed by law, to issue shares of preferred stock in one or more series and to fix and alter the powers, rights, preferences, privileges and restrictions granted to or imposed upon any wholly unissued series of preferred stock. Any or all of these rights may be greater than the rights of the common stock. In addition, within the limitations or restrictions stated in any resolution or resolutions of the board of directors originally fixing the number of shares constituting any series, the board of directors has the authority to increase or decrease, but not below the number of shares of such series then outstanding, the number of shares of any series subsequent to the issue of shares of that series.

The board of directors, without stockholder approval, can issue preferred stock with voting, conversion or other rights that could negatively affect the voting power and other rights of the holders of common stock. Preferred stock could thus be issued quickly with terms calculated to delay or prevent a change in control of the corporation or make it more difficult to remove our management. Additionally, the issuance of preferred stock may have the effect of decreasing the market price of the common stock.

The prospectus supplement will specify:

- the maximum number of shares;
- the purchase price per share;
- the designation of the shares;
- any listing of the preferred stock on any securities exchange or market;

- whether interests in the preferred stock will be represented by depositary shares;
- the annual dividend rate, if any, whether the dividend rate is fixed or variable, the date dividends will accrue, the dividend payment dates, and whether dividends will be cumulative;
- the price and the terms and conditions for redemption, if any, including redemption at our option or at the option of the holders, including the time period for redemption, and any accumulated dividends or premiums;
- the liquidation preference, if any, and any accumulated dividends upon the liquidation, dissolution or winding up of our affairs;
- any sinking fund or similar provision, and, if so, the terms and provisions relating to the purpose and operation of the fund;
- the terms and conditions, if any, for conversion or exchange of shares of any other class or classes of our capital stock or any series of any other class or classes, or of any other series of the same class, or any other securities or assets, including the price or the rate of conversion or exchange and the method, if any, of adjustment;
- the voting rights;
- any restrictions on alienability; and
- any or all other preferences and relative, participating, optional or other special rights, privileges or qualifications, limitations or restrictions.

When we issue shares of preferred stock under this prospectus and the related prospectus supplement, the shares will be fully paid and nonassessable.

#### **Delaware Anti-Takeover Law and Certain Charter and Bylaw Provisions**

Certain provisions of Delaware law and our certificate of incorporation and bylaws could make it more difficult to acquire us by means of a tender offer, a proxy contest or otherwise and to remove incumbent officers and directors. These provisions, summarized below, are expected to discourage certain types of coercive takeover practices and inadequate takeover bids and to encourage persons seeking to acquire control of us to first negotiate with us. We believe that the benefits of increased protection of our potential ability to negotiate with the proponent of an unfriendly or unsolicited proposal to acquire or restructure us outweigh the disadvantages of discouraging takeover or acquisition proposals because, among other things, negotiation of these proposals could result in an improvement of their terms.

We are subject to Section 203 of the Delaware General Corporation Law, which, subject to certain exceptions, prohibits a Delaware corporation from engaging in any business combination with any interested stockholder for a period of three years following the time that such stockholder became an interested stockholder, unless:

- prior to such time, the board of directors approved either the business combination or the transaction that resulted in the stockholder becoming an interested holder;
- upon consummation of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the number of shares outstanding those shares owned (a) by persons who are directors and also officers and (b) by employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or
- at or subsequent to such time, the business combination is approved by the board of directors and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of at least two thirds of the outstanding voting stock which is not owned by the interested stockholder.

In general, Section 203 defines “business combination” to include the following:

- any merger or consolidation involving the corporation and the interested stockholder;
- any sale, transfer, pledge or other disposition of 10% or more of the assets of the corporation involving the interested stockholder;
- subject to certain exceptions, any transaction that results in the issuance or transfer by the corporation of any stock of the corporation to the interested stockholder;
- any transaction involving the corporation that has the effect of increasing the proportionate share of the stock or any class or series of the corporation beneficially owned by the interested stockholder; or
- the receipt by the interested stockholder of the benefit of any loans, advances, guarantees, pledges or other financial benefits provided by or through the corporation.

In general, Section 203 defines “interested stockholder” as an entity or person beneficially owning 15% or more of the outstanding voting stock of the corporation and any entity or person affiliated with or controlling or controlled by such entity or person.

Our certificate of incorporation and bylaws require that any action required or permitted to be taken by our stockholders must be effected at a duly called annual or special meeting of the stockholders and may not be effected by a consent in writing. In addition, special meetings of our stockholders may be called only by the board of directors, chairperson of the board, chief executive officer or president (in the absence of a chief executive officer). No business may be transacted at an annual or special meeting of stockholders other than the business specified in the notice to stockholders with respect to such meeting. Our bylaws require advance notice of any director nominations or other stockholder proposals to be brought before an annual stockholders meeting. Our certificate of incorporation provides that our board of directors be divided into three classes, with each class serving staggered three-year terms. Our certificate of incorporation further provides that certain amendments of the certificate of incorporation require the approval of holders of at least 66-2/3% of the voting power of all outstanding stock. These provisions may have the effect of deterring hostile takeovers or delaying changes in control or our management.

## DESCRIPTION OF THE DEPOSITARY SHARES

### General

At our option, we may elect to offer fractional shares of preferred stock, rather than full shares of preferred stock. If we do elect to offer fractional shares of preferred stock, we will issue to the public receipts for depositary shares and each of these depositary shares will represent a fraction of a share of a particular series of preferred stock, as specified in the applicable prospectus supplement. Each owner of a depositary share will be entitled, in proportion to the applicable fractional interest in shares of preferred stock underlying that depositary share, to all rights and preferences of the preferred stock underlying that depositary share. These rights may include dividend, voting, redemption and liquidation rights.

The shares of preferred stock underlying the depositary shares will be deposited with a bank or trust company selected by us to act as depositary, under a deposit agreement between us, the depositary and the holders of the depositary receipts. The depositary will be the transfer agent, registrar and dividend disbursing agent for the depositary shares.

The depositary shares will be evidenced by depositary receipts issued pursuant to the depositary agreement. Holders of depositary receipts agree to be bound by the deposit agreement, which requires holders to take certain actions such as filing proof of residence and paying certain charges.

The summary of terms of the depositary shares contained in this prospectus is not complete. You should refer to any prospectus supplement and the forms of the deposit agreement, our certificate of incorporation and the certificate of designation for the applicable series of preferred stock that are, or will be, filed with the Commission.

### Dividends

The depositary will distribute cash dividends or other cash distributions, if any, received in respect of the series of preferred stock underlying the depositary shares to the record holders of depositary receipts in proportion to the number of depositary shares owned by those holders on the relevant record date. The relevant record date for depositary shares will be the same date as the record date for the preferred stock.

In the event of a distribution other than in cash, the depositary will distribute property received by it to the record holders of depositary receipts that are entitled to receive the distribution, unless the depositary determines that it is not feasible to make the distribution. If this occurs, the depositary, with our approval, may adopt another method for the distribution, including selling the property and distributing the net proceeds to the holders.

### Liquidation preference

If a series of preferred stock underlying the depositary shares has a liquidation preference, in the event of our voluntary or involuntary liquidation, dissolution or winding up, holders of depositary shares will be entitled to receive the fraction of the liquidation preference accorded each share of the applicable series of preferred stock, as set forth in the applicable prospectus supplement.

### Redemption

If a series of preferred stock underlying the depositary shares is subject to redemption, the depositary shares will be redeemed from the proceeds received by the depositary resulting from the redemption, in whole or in part, of the preferred stock held by the depositary. Whenever we redeem any preferred stock held by the depositary, the depositary will redeem, as of the same redemption date, the number of depositary shares representing the preferred stock so redeemed. The depositary will mail the notice of redemption to the record holders of the depositary receipts promptly upon receiving the notice from us and not fewer than 20 not more than 60 days, unless otherwise provided in the applicable prospectus supplement, prior to the date fixed for redemption of the preferred stock.

### Voting

Upon receipt of notice of any meeting at which the holders of preferred stock are entitled to vote, the depositary will mail the information contained in the notice of meeting to the record holders of the depositary receipts underlying the preferred stock. Each record holder of those depositary receipts on the record date will be entitled to instruct the depositary as to the exercise of the voting rights pertaining to the amount of preferred stock underlying that holder's depositary shares. The record date for the depositary will be the same date as the record date for the preferred stock. The depositary will try, as far as practicable, to vote the preferred stock underlying the depositary shares in accordance with these instructions. We will agree to take all action that may be deemed necessary by the depositary in order to enable the depositary to vote the preferred stock in accordance with these instructions. The depositary will not vote the preferred stock to the extent that it does not receive specific instructions from the holders of depositary receipts.

### **Withdrawal of Preferred Stock**

Owners of depositary shares will be entitled to receive upon surrender of depositary receipts at the principal office of the depositary and payment of any unpaid amount due to the depositary, the number of whole shares of preferred stock underlying their depositary shares.

Partial shares of preferred stock will not be issued. Holders of preferred stock will not be entitled to deposit the shares under the deposit agreement or to receive depositary receipts evidencing depositary shares for the preferred stock.

### **Amendment and termination of the deposit agreement**

The form of depositary receipt evidencing the depositary shares and any provision of the deposit agreement may be amended by agreement between the depositary and us. However, any amendment which materially and adversely alters the rights of the holders of depositary shares, other than fee changes, will not be effective unless the amendment has been approved by at least a majority of the outstanding depositary shares. The deposit agreement may be terminated by the depositary or us only if:

- all outstanding depositary shares have been redeemed; or
- there has been a final distribution of the preferred stock in connection with our dissolution and such distribution has been made to all the holders of depositary shares.

### **Charges of depositary**

We will pay all transfer and other taxes and governmental charges arising solely from the existence of the depositary arrangement. We will also pay charges of the depositary in connection with:

- the initial deposit of the preferred stock;
- the initial issuance of the depositary shares;
- any redemption of the preferred stock; and
- all withdrawals of preferred stock by owners of depositary shares.

Holders of depositary receipts will pay transfer, income and other taxes and governmental charges and other specified charges as provided in the deposit agreement for their accounts. If these charges have not been paid, the depositary may:

- refuse to transfer depositary shares;
- withhold dividends and distributions; and
- sell the depositary shares evidenced by the depositary receipt.

### **Miscellaneous**

The depositary will forward to the holders of depositary receipts all reports and communications we deliver to the depositary that we are required to furnish to the holders of the preferred stock. In addition, the depositary will make available for inspection by holders of depositary receipts at the principal office of the depositary, and at such other places as it may from time to time deem advisable, any reports and communications we deliver to the depositary as the holder of preferred stock.

Neither the depositary nor we will be liable if either the depositary or we are prevented or delayed by law or any circumstance beyond the control of either the depositary or us in performing our respective obligations under the deposit agreement. Our obligations and the depositary's obligations will be limited to the performance in good faith of our or the depositary's respective duties under the deposit agreement. Neither the depositary nor we will be obligated to prosecute or defend any legal proceeding in respect of any depositary shares or preferred stock unless satisfactory indemnity is furnished. The depositary and we may rely on:

- written advice of counsel or accountants;
- information provided by holders of depositary receipts or other persons believed in good faith to be competent to give such information; and
- documents believed to be genuine and to have been signed or presented by the proper party or parties.

**Resignation and removal of depositary**

The depositary may resign at any time by delivering a notice to us. We may remove the depositary at any time. Any such resignation or removal will take effect upon the appointment of a successor depositary and its acceptance of such appointment. The successor depositary must be appointed within 60 days after delivery of the notice for resignation or removal. The successor depositary must be a bank or trust company having its principal office in the United States of America and having a combined capital and surplus of at least \$50,000,000.

**Federal income tax consequences**

Owners of the depositary shares will be treated for U.S. federal income tax purposes as if they were owners of the preferred stock underlying the depositary shares. As a result, owners will be entitled to take into account for U.S. federal income tax purposes and deductions to which they would be entitled if they were holders of such preferred stock. No gain or loss will be recognized for U.S. federal income tax purposes upon the withdrawal of preferred stock in exchange for depositary shares. The tax basis of each share of preferred stock to an exchanging owner of depositary shares will, upon such exchange, be the same as the aggregate tax basis of the depositary shares exchanged. The holding period for preferred stock in the hands of an exchanging owner of depositary shares will include the period during which such person owned such depositary shares.



## DESCRIPTION OF THE WARRANTS

### General

We may issue warrants for the purchase of our debt securities, common stock, preferred stock, depositary shares or any combination thereof. Warrants may be issued independently or together with our debt securities, common stock, preferred stock and depositary shares and may be attached to or separate from any offered securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and a bank or trust company, as warrant agent. The warrant agent will act solely as our agent in connection with the warrants. The warrant agent will not have any obligation or relationship of agency or trust for or with any holders or beneficial owners of warrants. This summary of certain provisions of the warrants is not complete. For the terms of a particular series of warrants, you should refer to the prospectus supplement for that series of warrants and the warrant agreement for that particular series.

### Debt warrants

The prospectus supplement relating to a particular issue of warrants to purchase debt securities will describe the terms of the debt warrants, including the following:

- the title of the debt warrants;
- the offering price for the debt warrants, if any;
- the aggregate number of the debt warrants;
- the designation and terms of the debt securities, including any conversion rights, purchasable upon exercise of the debt warrants;
- if applicable, the date from and after which the debt warrants and any debt securities issued with them will be separately transferable;
- the principal amount of debt securities that may be purchased upon exercise of a debt warrant and the exercise price for the warrants, which may be payable in cash, securities or other property;
- the dates on which the right to exercise the debt warrants will commence and expire;
- if applicable, the minimum or maximum amount of the debt warrants that may be exercised at any one time;
- whether the debt warrants represented by the debt warrant certificates or debt securities that may be issued upon exercise of the debt warrants will be issued in registered or bearer form;
- information with respect to book-entry procedures, if any; the currency or currency units in which the offering price, if any, and the exercise price are payable;
- if applicable, a discussion of material U.S. federal income tax considerations;
- the antidilution provisions of the debt warrants, if any;
- the redemption or call provisions, if any, applicable to the debt warrants;
- any provisions with respect to the holder's right to require us to repurchase the warrants upon a change in control or similar event; and
- any additional terms of the debt warrants, including procedures, and limitations relating to the exchange, exercise and settlement of the debt warrants.

Debt warrant certificates will be exchangeable for new debt warrant certificates of different denominations. Debt warrants may be exercised at the corporate trust office of the warrant agent or any other office indicated in the prospectus supplement. Prior to the exercise of their debt warrants, holders of debt warrants will not have any of the rights of holders of the debt securities purchasable upon exercise and will not be entitled to payment of principal or any premium, if any, or interest on the debt securities purchasable upon exercise.

## **Equity warrants**

The prospectus supplement relating to a particular series of warrants to purchase our common stock, preferred stock or depositary shares will describe the terms of the warrants, including the following:

- the title of the warrants;
- the offering price for the warrants, if any;
- the aggregate number of the warrants;
- the designation and terms of the common stock, preferred stock or depositary shares that may be purchased upon exercise of the warrants;
- if applicable, the designation and terms of the securities with which the warrants are issued and the number of warrants issued with each security;
- if applicable, the date from and after which the warrants and any securities issued with the warrants will be separately transferable;
- the number of shares of common stock, preferred stock or depositary shares that may be purchased upon exercise of a warrant and the exercise price for the warrants;
- the dates on which the right to exercise the warrants shall commence and expire;
- if applicable, the minimum or maximum amount of the warrants that may be exercised at any one time;
- if applicable, a discussion of material U.S. federal income tax considerations;
- the antidilution provisions of the warrants, if any;
- the redemption or call provisions, if any, applicable to the warrants;
- any provisions with respect to holder's right to require us to repurchase the warrants upon a change in control; and
- any additional terms of the warrants, including terms, procedures, and limitations relating to the exchange, exercise and settlement of the warrants.

## ***No Rights as a Stockholder***

Until any warrants to purchase common stock, preferred stock or depositary shares have been exercised, holders of equity warrants will not be entitled:

- to vote, consent or receive dividends;
- receive notice as stockholders with respect to any meeting of stockholders for the election of our directors or any other matter; or exercise any rights as stockholders of QuickLogic.

Holders of debt warrants, common stock warrants, preferred stock warrants and depositary share warrants may have additional rights under the following circumstances:

- certain reclassifications, capital reorganizations or changes of the common stock, preferred stock or depositary shares, as applicable;
- certain share exchanges, mergers, or similar transactions involving us and which result in changes of the common stock, preferred stock or depositary shares, as applicable; or
- certain sales or dispositions to another entity of all or substantially all of our property and assets.

## DESCRIPTION OF THE DEBT SECURITIES

The debt securities may be either secured or unsecured and will either be our senior debt securities or our subordinated debt securities. The debt securities will be issued under one or more separate indentures between us and a trustee to be specified in an accompanying prospectus supplement. Senior debt securities will be issued under a senior indenture and subordinated debt securities will be issued under a subordinated indenture. Together, the senior indenture and the subordinated indenture are called indentures in this description. This prospectus, together with the applicable prospectus supplement, will describe the terms of a particular series of debt securities.

The following is a summary of selected provisions and definitions of the indentures and debt securities to which any prospectus supplement may relate. The summary of selected provisions of the indentures and the debt securities appearing below is not complete and is subject to, and qualified entirely by reference to, all of the provisions of the applicable indenture and certificates evidencing the applicable debt securities. For additional information, you should look at the applicable indenture and the certificate evidencing the applicable debt security that is filed as an exhibit to the registration statement that includes the prospectus. In this description of the debt securities, the words “we,” “us,” or “our” refer only to QuickLogic Corporation and not to any of our subsidiaries, unless we expressly state or the context otherwise requires.

The following description sets forth selected general terms and provisions of the applicable indenture and debt securities to which any prospectus supplement may relate. Other specific terms of the applicable indenture and debt securities will be described in the applicable prospectus supplement. If any particular terms of the indenture or debt securities described in a prospectus supplement differ from any of the terms described below, then the terms described below will be deemed to have been superseded by that prospectus supplement.

### General

Debt securities may be issued in separate series without limitation as to aggregate principal amount. We may specify a maximum aggregate principal amount for the debt securities of any series.

We are not limited as to the amount of debt securities we may issue under the indentures. Unless otherwise provided in a prospectus supplement, a series of debt securities may be reopened to issue additional debt securities of such series.

The prospectus supplement relating to a particular series of debt securities will set forth:

- whether the debt securities are senior or subordinated;
- the offering price;
- the title;
- any limit on the aggregate principal amount;
- the person who shall be entitled to receive interest, if other than the record holder on the record date;
- the date or dates the principal will be payable;
- the interest rate or rates, which may be fixed or variable, if any, the date from which interest will accrue, the interest payment dates and the regular record dates, or the method for calculating the dates and rates;
- the place where payments may be made;
- any mandatory or optional redemption provisions or sinking fund provisions and any applicable redemption or purchase prices associated with these provisions;
- if issued other than in denominations of U.S. \$1,000 or any multiple of U.S. \$1,000, the denominations in which the debt securities shall be issuable;
- if applicable, the method for determining how the principal, premium, if any, or interest will be calculated by reference to an index or formula;

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- if other than U.S. currency, the currency or currency units in which principal, premium, if any, or interest will be payable and whether we or a holder may elect payment to be made in a different currency;
- the portion of the principal amount that will be payable upon acceleration of maturity, if other than the entire principal amount;
- if the principal amount payable at stated maturity will not be determinable as of any date prior to stated maturity, the amount or method for determining the amount which will be deemed to be the principal amount;
- if applicable, whether the debt securities shall be subject to the defeasance provisions described below under “Satisfaction and discharge; defeasance” or such other defeasance provisions specified in the applicable prospectus supplement for the debt securities;
- any conversion or exchange provisions;
- whether the debt securities will be issuable in the form of a global security;
- the deletion, addition or change in any event of default;
- any change or modification to the subordination provisions applicable to the subordinated debt securities if different from those described below under “Subordinated debt securities;”
- any deletion, addition or change in the covenants set forth in Article 10 of the indenture;
- any paying agents, authenticating agents, security registrars or other agents for the debt securities, if other than the trustee;
- any provisions relating to any security provided for the debt securities, including any provisions regarding the circumstances under which collateral may be released or substituted;
- any provisions granting special rights to holders when a specified event occurs;
- any special tax provisions that apply to the debt securities;
- with respect to the debt securities that do not bear interest, the dates for certain required reports to the applicable trustee;
- any and all additional, eliminated or changed terms that will apply to the debt securities; and
- any other terms of such debt securities.

Unless otherwise specified in the prospectus supplement, the debt securities will be registered debt securities. Debt securities may be sold at a substantial discount below their stated principal amount, bearing no interest or interest at a rate which at time of issuance is below market rates. The U.S. federal income tax considerations applicable to debt securities sold at a discount will be described in the applicable prospectus supplement.

### **Exchange and transfer**

Debt securities may be transferred or exchanged at the office of the security registrar or at the office of any transfer agent designated by us.

We will not impose a service charge for any transfer or exchange, but we may require holders to pay any tax or other governmental charges associated with any transfer or exchange.

In the event of any partial redemption of debt securities of any series, we will not be required to:

- issue, register the transfer of, or exchange, any debt security of that series during a period beginning at the opening of business 15 days before the day of mailing of a notice of redemption and ending at the close of business on the day of the mailing; or

- register the transfer of or exchange any debt security of that series selected for redemption, in whole or in part, except the unredeemed portion being redeemed in part.

We will appoint the trustee as the initial security registrar. Any transfer agent, in addition to the security registrar initially designated by us, will be named in the prospectus supplement. We may designate additional transfer agents or change transfer agents or change the office of the transfer agent. However, we will be required to maintain a transfer agent in each place of payment for the debt securities of each series.

#### **Global securities**

The debt securities of any series may be represented, in whole or in part, by one or more global securities. Each global security will:

- be registered in the name of a depositary, or its nominee, that we will identify in a prospectus supplement;
- be deposited with the depositary or nominee or custodian; and
- bear any required legends.

No global security may be exchanged in whole or in part for debt securities registered in the name of any person other than the depositary or any nominee unless:

- the depositary has notified us that it is unwilling or unable to continue as depositary or has ceased to be qualified to act as depositary;
- an event of default is continuing with respect to the debt securities of the applicable series; or
- any other circumstance described in a prospectus supplement has occurred permitting or requiring the issuance of any such security.

As long as the depositary, or its nominee, is the registered owner of a global security, the depositary or nominee will be considered the sole owner and holder of the debt securities represented by the global security for all purposes under the indentures. Except in the above limited circumstances, owners of beneficial interests in a global security will not be:

- entitled to have the debt securities registered in their names;
- entitled to physical delivery of certificated debt securities; or
- considered to be holders of those debt securities under the indenture.

Payments on a global security will be made to the depositary or its nominee as the holder of the global security. Some jurisdictions have laws that require that certain purchasers of securities take physical delivery of such securities in definitive form. These laws may impair the ability to transfer beneficial interests in a global security.

Institutions that have accounts with the depositary or its nominee are referred to as “participants.” Ownership of beneficial interests in a global security will be limited to participants and to persons that may hold beneficial interests through participants. The depositary will credit, on its book-entry registration and transfer system, the respective principal amounts of debt securities represented by the global security to the accounts of its participants.

Ownership of beneficial interests in a global security will be shown on and effected through records maintained by the depositary, with respect to participants’ interests, or any participant, with respect to interests of persons held by participants on their behalf.

Payments, transfers and exchanges relating to beneficial interests in a global security will be subject to policies and procedures of the depositary. The depositary policies and procedures may change from time to time. Neither any trustee nor we will have any responsibility or liability for the depositary’s or any participant’s records with respect to beneficial interests in a global security.

### **Payment and paying agents**

Unless otherwise indicated in a prospectus supplement, the provisions described in this paragraph will apply to the debt securities. Payment of interest on a debt security on any interest payment date will be made to the person in whose name the debt security is registered at the close of business on the regular record date. Payment on debt securities of a particular series will be payable at the office of a paying agent or paying agents designated by us. However, at our option, we may pay interest by mailing a check to the record holder. The trustee will be designated as our initial paying agent.

We may also name any other paying agents in a prospectus supplement. We may designate additional paying agents, change paying agents or change the office of any paying agent. However, we will be required to maintain a paying agent in each place of payment for the debt securities of a particular series.

All moneys paid by us to a paying agent for payment on any debt security that remain unclaimed for a period ending the earlier of:

- 10 business days prior to the date the money would be turned over to the applicable state; or
- at the end of two years after such payment was due, will be repaid to us thereafter. The holder may look only to us for such payment.

### **No protection in the event of a change of control**

Unless otherwise indicated in a prospectus supplement with respect to a particular series of debt securities, the debt securities will not contain any provisions that may afford holders of the debt securities protection in the event we have a change in control or in the event of a highly leveraged transaction, whether or not such transaction results in a change in control.

### **Covenants**

Unless otherwise indicated in a prospectus supplement with respect to a particular series of debt securities, the debt securities will not contain any financial or restrictive covenants.

### **Consolidation, merger and sale of assets**

Unless we indicate otherwise in a prospectus supplement with respect to a particular series of debt securities, we may not consolidate with or merge into any other person (other than one of our subsidiaries), in a transaction in which we are not the surviving corporation, or convey, transfer or lease our properties and assets substantially as an entirety to, any person (other than a subsidiary of QuickLogic), unless:

- the successor entity, if any, is a U.S. corporation, limited liability company, partnership, trust or other business entity;
- the successor entity assumes our obligations on the debt securities and under the indentures;
- immediately after giving effect to the transaction, no default or event of default shall have occurred and be continuing; and
- certain other conditions specified in the indenture are met.

### **Events of default**

Unless we indicate otherwise in a prospectus supplement, the following will be events of default for any series of debt securities under the indentures:

- (1) we fail to pay principal of or any premium on any debt security of that series when due;
- (2) we fail to pay any interest on any debt security of that series for 30 days after it becomes due;
- (3) we fail to deposit any sinking fund payment when due;

- (4) we fail to perform any other covenant in the indenture and such failure continues for 90 days after we are given the notice required in the indentures; and
- (5) certain events involving our bankruptcy, insolvency or reorganization.

Additional or different events of default applicable to a series of debt securities may be described in a prospectus supplement. An event of default of one series of debt securities is not necessarily an event of default for any other series of debt securities.

The trustee may withhold notice to the holders of any default, except defaults in the payment of principal, premium, if any, interest, any sinking fund installment on, or with respect to any conversion right of, the debt securities of such series. However, the trustee must consider it to be in the interest of the holders of the debt securities of such series to withhold this notice.

Unless we indicate otherwise in a prospectus supplement, if an event of default, other than an event of default described in clause (5) above, shall occur and be continuing with respect to any series of debt securities, either the trustee or the holders of at least 25 percent in aggregate principal amount of the outstanding securities of that series may declare the principal amount and premium, if any, of the debt securities of that series, or if any debt securities of that series are original issue discount securities, such other amount as may be specified in the applicable prospectus supplement, in each case together with accrued and unpaid interest, if any, thereon, to be due and payable immediately.

Unless we indicate otherwise in a prospectus supplement, if an event of default described in clause (5) above shall occur, the principal amount and premium, if any, of all the debt securities of that series, or if any debt securities of that series are original issue discount securities, such other amount as may be specified in the applicable prospectus supplement, in each case together with accrued and unpaid interest, if any, thereon, will automatically become immediately due and payable. Any payment by us on the subordinated debt securities following any such acceleration will be subject to the subordination provisions described below under "Subordinated debt securities."

Notwithstanding the foregoing, each indenture will provide that we may, at our option, elect that the sole remedy for an event of default relating to our failure to comply with our obligations described under the section entitled "Reports" below or our failure to comply with the requirements of Section 314(a)(1) of the Trust Indenture Act will for the first 180 days after the occurrence of such an event of default consist exclusively of the right to receive additional interest on the relevant series of debt securities at an annual rate equal to (i) 0.25% of the principal amount of such series of debt securities for the first 90 days after the occurrence of such event of default and (ii) 0.50% of the principal amount of such series of debt securities from the 91<sup>st</sup> day to, and including, the 180<sup>th</sup> day after the occurrence of such event of default, which we call "additional interest." If we so elect, the additional interest will accrue on all outstanding debt securities from and including the date on which such event of default first occurs until such violation is cured or waived and shall be payable on each relevant interest payment date to holders of record on the regular record date immediately preceding the interest payment date. On the 181<sup>st</sup> day after such event of default (if such violation is not cured or waived prior to such 181<sup>st</sup> day), the debt securities will be subject to acceleration as provided above. In the event we do not elect to pay additional interest upon any such event of default in accordance with this paragraph, the debt securities will be subject to acceleration as provided above.

In order to elect to pay the additional interest as the sole remedy during the first 180 days after the occurrence of any event of default relating to the failure to comply with the reporting obligations in accordance with the preceding paragraph, we must notify all holders of debt securities and the trustee and paying agent of such election prior to the close of business on the first business day following the date on which such event of default occurs. Upon our failure to timely give such notice or pay the additional interest, the debt securities will be immediately subject to acceleration as provided above.

After acceleration, the holders of a majority in aggregate principal amount of the outstanding securities of that series may, under certain circumstances, rescind and annul such acceleration if all events of default, other than the non-payment of accelerated principal, or other specified amounts or interest, have been cured or waived.

Other than the duty to act with the required care during an event of default, the trustee will not be obligated to exercise any of its rights or powers at the request of the holders unless the holders shall have offered to the trustee reasonable indemnity. Generally, the holders of a majority in aggregate principal amount of the outstanding debt securities of any series will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the trustee or exercising any trust or power conferred on the trustee.

A holder of debt securities of any series will not have any right to institute any proceeding under the indentures, or for the appointment of a receiver or a trustee, or for any other remedy under the indentures, unless:

- (1) the holder has previously given to the trustee written notice of a continuing event of default with respect to the debt securities of that series;
- (2) the holders of at least 25 percent in aggregate principal amount of the outstanding debt securities of that series have made a written request and have offered reasonable indemnity to the trustee to institute the proceeding; and
- (3) the trustee has failed to institute the proceeding and has not received direction inconsistent with the original request from the holders of a majority in aggregate principal amount of the outstanding debt securities of that series within 60 days after the original request.

Holders may, however, sue to enforce the payment of principal, premium or interest on any debt security on or after the due date or to enforce the right, if any, to convert any debt security (if the debt security is convertible) without following the procedures listed in (1) through (3) above.

We will furnish the trustee an annual statement from our officers as to whether or not we are in default in the performance of the conditions and covenants under the indenture and, if so, specifying all known defaults.

#### **Modification and waiver**

Unless we indicate otherwise in a prospectus supplement, the applicable trustee and we may make modifications and amendments to an indenture with the consent of the holders of a majority in aggregate principal amount of the outstanding securities of each series affected by the modification or amendment.

We may also make modifications and amendments to the indentures for the benefit of holders without their consent, for certain purposes including, but not limited to:

- formalizing the succession of another person to QuickLogic, or successive successions, and the assumption by any such successor of the covenants of QuickLogic in the indentures in compliance with Article 8 of the indentures;
- adding covenants;
- adding events of default;
- making certain changes to facilitate the issuance of the debt securities;
- adding to, changing or eliminating any of the provisions of the indentures or more series of securities, provided that any such addition, change or elimination (A) shall neither (i) apply to any security of any series created prior to the execution of such supplemental indenture and entitled to the benefit of such provision nor (ii) modify the rights of the holder of any such security with respect to such provision or (B) shall become effective only when there is no such security outstanding;
- securing the debt securities;
- establishing the form or term of debt securities as permitted by Sections 2.1 and 3.1 of the indenture;
- providing for a successor trustee or additional trustees;
- conforming the indenture to the description of the securities set forth in this prospectus or the accompanying prospectus supplement;
- curing any ambiguity, defect or inconsistency; provided that such action shall not adversely affect the interest of the holders in any material respect;
- permitting or facilitating the defeasance and discharge of the debt securities;
- making such other provisions in regard to matters or questions arising under the indentures or under any supplemental indentures as our board of directors may deem necessary or desirable, and which does not in each case adversely affect the interests of the holders of the debt securities of a series; and
- complying with requirements of the U.S. Securities and Exchange Commission in order to effect or maintain the qualifications of the indentures under the Trust Indenture Act of 1939, as amended (the "Trust Indenture Act").



However, neither the trustee nor we may make any modification or amendment without the consent of the holder of each outstanding security of that series affected by the modification or amendment if such modification or amendment would:

- change the stated maturity of the principal of, or any installment of principal or interest on, any debt security;
- reduce the principal, premium, if any, or interest on any debt security or any amount payable upon redemption or repurchase, whether at our option or the option of any holder, or reduce the amount of any sinking fund payments;
- reduce the principal of an original issue discount security or any other debt security payable on acceleration of maturity;
- change the place of payment or the currency in which any debt security is payable;
- impair the right to enforce any payment after the stated maturity or redemption date;
- in the case of subordinated debt securities, modify the subordination provisions in a materially adverse manner to the holders;
- adversely affect the right to convert any debt security if the debt security is a convertible debt security; or
- change the provisions in the indenture that relate to modifying or amending the indenture.

**Satisfaction and discharge; defeasance**

We may be discharged from our obligations on the debt securities, subject to limited exceptions, of any series that have matured or will mature or be redeemed within one year if we deposit enough money with the trustee to pay all the principal, interest and any premium due to the stated maturity date or redemption date of the debt securities.

Each indenture contains a provision that permits us to elect either or both of the following:

- We may elect to be discharged from all of our obligations, subject to limited exceptions, with respect to any series of debt securities then outstanding. If we make this election, the holders of the debt securities of the series will not be entitled to the benefits of the indenture, except for the rights of holders to receive payments on debt securities or the registration of transfer and exchange of debt securities and replacement of lost, stolen or mutilated debt securities.
- We may elect to be released from our obligations under some or all of any financial or restrictive covenants applicable to the series of debt securities to which the election relates and from the consequences of an event of default resulting from a breach of those covenants.

To make either of the above elections, we must irrevocably deposit in trust with the trustee enough money to pay in full the principal, interest and premium on the debt securities. This amount may be made in cash and/or U.S. government obligations or, in the case of debt securities denominated in a currency other than U.S. dollars, cash in the currency in which such series of securities is denominated and/or foreign government obligations. As a condition to either of the above elections, for debt securities denominated in U.S. dollars we must deliver to the trustee an opinion of counsel that the holders of the debt securities will not recognize income, gain or loss for U.S. federal income tax purposes as a result of the action.

With respect to debt securities of any series that are denominated in a currency other than U.S. dollars, “foreign government obligations” means:

- direct obligations of the government that issued or caused to be issued the currency in which such securities are denominated and for the payment of which obligations its full faith and credit is pledged, or, with respect to debt securities of any series which are denominated in Euros, direct obligations of certain members of the European Union for the payment of which obligations the full faith and credit of such members is pledged, which in each case are not callable or redeemable at the option of the issuer thereof; or
- obligations of a person controlled or supervised by or acting as an agency or instrumentality of a government described in the bullet above the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by such government, which are not callable or redeemable at the option of the issuer thereof.

**Notices**

Notices to holders will be given by mail to the addresses of the holders in the security register.

**Governing law**

The indentures and the debt securities will be governed by, and construed under, the laws of the State of New York.

**No personal liability of directors, officers, employees and stockholders**

No incorporator, stockholder, employee, agent, officer, director or subsidiary of ours will have any liability for any obligations of ours, or because of the creation of any indebtedness under the debt securities, the indentures or supplemental indentures. The indentures provide that all such liability is expressly waived and released as a condition of, and as a consideration for, the execution of such indentures and the issuance of the debt securities.

**Regarding the trustee**

The indentures limit the right of the trustee, should it become our creditor, to obtain payment for claims or secure its claims.

The trustee will be permitted to engage in certain other transactions with us. However, if the trustee acquires any conflicting interest, and there is a default under the debt securities of any series for which it is trustee, the trustee must eliminate the conflict or resign.

**Subordinated debt securities**

The following provisions will be applicable with respect to each series of subordinated debt securities, unless otherwise stated in the prospectus supplement relating to that series of subordinated debt securities.

The indebtedness evidenced by the subordinated debt securities of any series is subordinated, to the extent provided in the subordinated indenture and the applicable prospectus supplement, to the prior payment in full, in cash or other payment satisfactory to the holders of senior debt, of all senior debt, including any senior debt securities.

Upon any distribution of our assets upon any dissolution, winding up, liquidation or reorganization, whether voluntary or involuntary, marshalling of assets, assignment for the benefit of creditors, or in bankruptcy, insolvency, receivership or other similar proceedings, payments on the subordinated debt securities will be subordinated in right of payment to the prior payment in full in cash or other payment satisfactory to holders of senior debt of all senior debt.

In the event of any acceleration of the subordinated debt securities of any series because of an event of default with respect to the subordinated debt securities of that series, holders of any senior debt would be entitled to payment in full in cash or other payment satisfactory to holders of senior debt of all senior debt before the holders of subordinated debt securities are entitled to receive any payment or distribution.

In addition, the subordinated debt securities will be structurally subordinated to all indebtedness and other liabilities of our subsidiaries, including trade payables and lease obligations. This occurs because our right to receive any assets of our subsidiaries upon their liquidation or reorganization, and your right to participate in those assets, will be effectively subordinated to the claims of that subsidiary's creditors, including trade creditors, except to the extent that we are recognized as a creditor of such subsidiary. If we are recognized as a creditor of that subsidiary, our claims would still be subordinate to any security interest in the assets of the subsidiary and any indebtedness of the subsidiary senior to us.

We are required to promptly notify holders of senior debt or their representatives under the subordinated indenture if payment of the subordinated debt securities is accelerated because of an event of default.

Under the subordinated indenture, we may also not make payment on the subordinated debt securities if:

- a default in our obligations to pay principal, premium, if any, interest or other amounts on our senior debt occurs and the default continues beyond any applicable grace period, which we refer to as a payment default; or
- any other default occurs and is continuing with respect to designated senior debt that permits holders of designated senior debt to accelerate its maturity, which we refer to as a non-payment default, and the trustee receives a payment blockage notice from us or some other person permitted to give such notice under the subordinated indenture.

We will resume payments on the subordinated debt securities:

- in case of a payment default, when the default is cured or waived or ceases to exist, and
- in case of a nonpayment default, the earlier of when the default is cured or waived or ceases to exist or 179 days after the receipt of the payment blockage notice.

No new payment blockage period may commence on the basis of a nonpayment default unless 365 days have elapsed from the effectiveness of the immediately prior payment blockage notice. No nonpayment default that existed or was continuing on the date of delivery of any payment blockage notice to the trustee shall be the basis for a subsequent payment blockage notice.

As a result of these subordination provisions, in the event of our bankruptcy, dissolution or reorganization, holders of senior debt may receive more, ratably, and holders of the subordinated debt securities may receive less, ratably, than our other creditors. The subordination provisions will not prevent the occurrence of any event of default under the subordinated indenture.

The subordination provisions will not apply to payments from money or government obligations held in trust by the trustee for the payment of principal, interest and premium, if any, on subordinated debt securities pursuant to the provisions described under the section entitled "Satisfaction and discharge; defeasance," if the subordination provisions were not violated at the time the money or government obligations were deposited into trust.

If the trustee or any holder receives any payment that should not have been made to them in contravention of subordination provisions before all senior debt is paid in full in cash or other payment satisfactory to holders of senior debt, then such payment will be held in trust for the holders of senior debt.

Senior debt securities will constitute senior debt under the subordinated indenture.

Additional or different subordination provisions may be described in a prospectus supplement relating to a particular series of debt securities.

#### *Definitions*

"Designated senior debt" means our obligations under any particular senior debt in which the instrument creating or evidencing the same or the assumption or guarantee thereof, or related agreements or documents to which we are a party, expressly provides that such indebtedness shall be designated senior debt for purposes of the subordinated indenture. The instrument, agreement or other document evidencing any designated senior debt may place limitations and conditions on the right of such senior debt to exercise the rights of designated senior debt.

"Indebtedness" means the following, whether absolute or contingent, secured or unsecured, due or to become due, outstanding on the date of the indenture for such series of securities or thereafter created, incurred or assumed:

- our indebtedness evidenced by a credit or loan agreement, note, bond, debenture or other written obligation;
- our obligations for money borrowed;
- our obligations evidenced by a note or similar instrument given in connection with the acquisition of any businesses, properties or assets of any kind;
- our obligations: (i) as lessee under leases required to be capitalized on the balance sheet of the lessee under generally accepted accounting principles; or (ii) as lessee under leases for facilities, capital equipment or related assets, whether or not capitalized, entered into or leased for financing purposes;

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- our obligations under interest rate and currency swaps, caps, floors, collars, hedge agreements, forward contracts or similar agreements or arrangements;
- our obligations with respect to letters of credit, bankers' acceptances and similar facilities, including reimbursement obligations with respect to the foregoing;
- our obligations issued or assumed as the deferred purchase price of property or services, but excluding trade accounts payable and accrued liabilities arising in the ordinary course of business;
- our obligations of the type referred to in the above clauses of another person, the payment of which, in either case, we have assumed or guaranteed, for which we are responsible or liable, directly or indirectly, jointly or severally, as obligor, guarantor or otherwise, or which are secured by a lien on our property; and
- renewals, extensions, modifications, replacements, restatements and refundings of, or any indebtedness or obligation issued in exchange for, any such indebtedness or obligation described in the above clauses of this definition.

“Senior debt” means the principal of, premium, if any, and interest, including all interest accruing subsequent to the commencement of any bankruptcy or similar proceeding, whether or not a claim for post-petition interest is allowable as a claim in any such proceeding, and rent payable on or in connection with, and all fees and other amounts payable in connection with, our indebtedness. However, senior debt shall not include:

- any debt or obligation if its terms or the terms of the instrument under which or pursuant to which it is issued expressly provide that it shall not be senior in right of payment to the subordinated debt securities or expressly provide that such indebtedness is on the same basis or “junior” to the subordinated debt securities; or
- debt to any of our subsidiaries, a majority of the voting stock of which is owned, directly or indirectly, by us.

“Subsidiary” means a corporation more than 50% of the outstanding voting stock of which is owned, directly or indirectly, by us or by one or more of our other subsidiaries or by a combination of us and our other subsidiaries. For purposes of this definition, “voting stock” means stock or other similar interests which ordinarily has or have voting power for the election of directors, or persons performing similar functions, whether at all times or only so long as no senior class of stock or other interests has or have such voting power by reason of any contingency.

## DESCRIPTION OF UNITS

We may issue units comprised of one or more of the other securities described in this prospectus in any combination. Each unit will be issued so that the holder of the unit is also the holder of each security included in the unit. Thus, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date.

The following description is a summary of selected provisions relating to units that we may offer. The summary is not complete. When units are offered in the future, a prospectus supplement, information incorporated by reference or a free writing prospectus, as applicable, will explain the particular terms of those securities and the extent to which these general provisions may apply. The specific terms of the units as described in a prospectus supplement, information incorporated by reference, or free writing prospectus will supplement and, if applicable, may modify or replace the general terms described in this section.

This summary and any description of units in the applicable prospectus supplement, information incorporated by reference or free writing prospectus is subject to and is qualified in its entirety by reference to the unit agreement, collateral arrangements and depositary arrangements, if applicable. We will file each of these documents, as applicable, with the SEC and incorporate them by reference as an exhibit to the registration statement of which this prospectus is a part on or before the time we issue a series of units. See “Where You Can Find More Information” and “Incorporation of Documents by Reference” for information on how to obtain a copy of a document when it is filed.

The applicable prospectus supplement, information incorporated by reference or free writing prospectus will describe:

- the designation and terms of the units and of the securities comprising the units, including whether and under what circumstances those securities may be held or transferred separately;
- any unit agreement under which the units will be issued;
- any provisions for the issuance, payment, settlement, transfer or exchange of the units or of the securities comprising the units; and
- whether the units will be issued in fully registered or global form.

The applicable provisions described in this section, as well as those described under “Description of Capital Stock” and “Description of the Warrants” above, will apply to each unit and to each security included in each unit, respectively.

## PLAN OF DISTRIBUTION

We may sell the securities from time to time pursuant to underwritten public offerings, negotiated transactions, block trades, “at the market offerings” as defined in Rule 415 promulgated under the Securities Act or a combination of these methods. We may sell the securities in one or more transactions to or through underwriters or dealers, through agents, or directly to one or more purchasers (including existing stockholders in a rights offering). We may distribute securities from time to time in one or more transactions:

- at a fixed price or prices, which may be changed from time to time;
- at market prices prevailing at the time of sale;
- at prices related to prevailing market prices; or
- at negotiated prices.

We will describe the method of distribution of each series of securities in the applicable prospectus supplement.

We may determine the price or other terms of the securities offered under this prospectus by use of an electronic auction. We will describe how any auction will determine the price or any other terms, how potential investors may participate in the auction and the nature of the underwriters’ obligations in the related supplement to this prospectus.

Underwriters, dealers or agents may receive compensation in the form of discounts, concessions or commissions from us or our purchasers as their agents in connection with the sale of the securities. These underwriters, dealers or agents may be considered to be underwriters under the Securities Act. As a result, discounts, commissions or profits on resale received by underwriters, dealers or agents may be treated as underwriting discounts and commissions. Each prospectus supplement will identify any underwriter, dealer or agent, and describe any compensation received by them from us. We may grant underwriters who participate in the distribution of securities an option to purchase additional securities to cover over-allotments, if any, in connection with the distribution.

We may have agreements with the underwriters, dealers and agents to indemnify them against specified civil liabilities, including liabilities under the Securities Act. Underwriters, dealers and agents may engage in transactions with or perform services for us in the ordinary course of their businesses.

To the extent required, this prospectus may be amended and supplemented from time to time to describe a specific plan of distribution.

### Agents

We may designate agents who agree to use their reasonable efforts to solicit purchases of our securities for the period of their appointment or to sell our securities on a continuing basis.

### Underwriters

If we use underwriters for a sale of securities, the underwriters will acquire the securities for their own account. The underwriters may resell the securities in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale. The obligations of the underwriters to purchase the securities will be subject to the conditions set forth in the applicable underwriting agreement. The underwriters will be obligated to purchase all the securities of the series offered if they purchase any of the securities of that series. We may change from time to time any initial public offering price and any discounts or concessions the underwriters allow or reallow or pay to dealers. We may use underwriters with whom we have a material relationship. We will describe the nature of any such relationship in any prospectus supplement naming any such underwriter.

### **Direct Sales**

We may also sell securities directly to one or more purchasers without using underwriters or agents. Underwriters, dealers and agents that participate in the distribution of the securities may be underwriters as defined in the Securities Act, and any discounts or commissions they receive from us and any profit on their resale of the securities may be treated as underwriting discounts and commissions under the Securities Act. We will identify in the applicable prospectus supplement any underwriters, dealers or agents and will describe their compensation.

### **Trading Markets and Listing of Securities**

Unless otherwise specified in the applicable prospectus supplement, each class or series of securities will be a new issue with no established trading market, other than our common stock, which is listed on the NASDAQ Capital Market. We may elect to list any other class or series of securities on any exchange or market, but we are not obligated to do so. It is possible that one or more underwriters may make a market in a class or series of securities, but the underwriters will not be obligated to do so and may discontinue any market making at any time without notice. We cannot give any assurance as to the liquidity of the trading market for any of the securities.

### **Stabilization Activities**

Any underwriter may engage in overallotment, stabilizing transactions, short covering transactions and penalty bids in accordance with Regulation M under the Exchange Act. Overallotment involves sales in excess of the offering size, which create a short position. Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum. Short covering transactions involve purchases of the securities in the open market after the distribution is completed to cover short positions. Penalty bids permit the underwriters to reclaim a selling concession from a dealer when the securities originally sold by the dealer are purchased in a covering transaction to cover short positions. Those activities may cause the price of the securities to be higher than it would otherwise be. If commenced, the underwriters may discontinue any of these activities at any time.

### **Delayed Delivery Contracts**

If we so indicate in the prospectus supplement, we may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase securities from us at the public offering price under delayed delivery contracts. These contracts would provide for payment and delivery on a specified date in the future. The contracts would be subject only to those conditions described in the prospectus supplement. The prospectus supplement will describe the commission payable for solicitation of those contracts.

### **Passive Market Marking**

Any underwriters who are qualified market makers on the NASDAQ Capital Market may engage in passive market making transactions in the securities on the NASDAQ Capital Market in accordance with Rule 103 of Regulation M. Passive market makers must comply with applicable volume and price limitations and must be identified as passive market makers. In general, a passive market maker must display its bid at a price not in excess of the highest independent bid for such security. If all independent bids are lowered below the passive market maker's bid, however, the passive market maker's bid must then be lowered when certain purchase limits are exceeded.

## LEGAL MATTERS

The validity of the securities offered by this prospectus will be passed upon by The NBD Group, Inc., Los Angeles, California.

## EXPERTS

The consolidated financial statements and financial statement schedule incorporated in this Registration Statement on Form S-3 by reference from QuickLogic Corporation's Annual Report on Form 10-K for the year ended January 2, 2022 have been audited by Moss Adams LLP, an independent registered public accounting firm, as stated in their report, which is incorporated herein by reference. Such financial statements have been so incorporated in reliance upon the report of such firm given upon their authority as experts in accounting and auditing.

## WHERE YOU CAN FIND MORE INFORMATION

We file reports, proxy statements and other information with the Commission in accordance with the Exchange Act. You may read and copy our reports, proxy statements and other information filed by us at the public reference room of the Commission located at 100 F Street, N.E., Washington, D.C. 20549. Please call the Commission at 1-800-SEC-0330 for further information about the public reference room. Our reports, proxy statements and other information filed with the Commission are available to the public over the Internet at the Commission's website at [www.sec.gov](http://www.sec.gov) and at the QuickLogic website at [www.quicklogic.com](http://www.quicklogic.com).

## DOCUMENTS INCORPORATED BY REFERENCE

The Commission allows us to "incorporate by reference" certain information we file with them, which means that we can disclose important information by referring you to those documents. The information incorporated by reference is considered to be a part of this prospectus, and information that we file later with the Commission will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings made by us with the Commission under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (other than information or reports "furnished" on Form 8-K\*) until our offering is complete:

- our quarterly reports on Form 10-Q for the quarterly periods ended April 3, 2022 and July 3, 2022, filed with the SEC on [May 18, 2022](#) and [August 17, 2022](#), respectively;
- our annual report on Form 10-K for the fiscal year ended January 2, 2022, filed with the SEC on [March 22, 2022](#);
- the information specifically incorporated by reference into the annual report on Form 10-K for the fiscal year ended January 2, 2022 from our definitive proxy statement on Schedule 14A filed with the SEC on [March 29, 2022](#) and amended on [April 29, 2022](#);
- our current reports on Form 8-K, filed with the SEC on [February 3, 2022](#), [February 9, 2022](#) and [May 17, 2022](#) (000-22671);\* and
- the description of our common stock set forth in our registration statement on Form 8-A, filed with the SEC on [October 12, 1999](#) including all amendments and reports filed for the purpose of updating such information.

\* Pursuant to General Instruction B(2) of Form 8-K, information or reports "furnished" on Form 8-K are not deemed to be "filed" for the purpose of Section 18 of the Exchange Act and are not subject to the liabilities of that section. Unless otherwise specifically noted in the Form 8-K, we are not incorporating and will not incorporate by reference future information or reports "furnished" on Form 8-K into this prospectus.

We also incorporate by reference into this prospectus additional documents that we may file with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act prior to the completion or termination of the offering, including all such documents we may file with the SEC after the date of the initial registration statement and prior to the effectiveness of the registration statement, but excluding any information deemed furnished and not filed with the SEC. Any statements contained in a previously filed document incorporated by reference into this prospectus is deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus, or in a subsequently filed document also incorporated by reference herein, modifies or supersedes that statement.



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Notwithstanding the foregoing, we are not incorporating by reference any documents, portions of documents, exhibits or other information that is deemed to have been furnished to, rather than filed with, the Commission. Any statement contained in a document incorporated by reference into this prospectus shall be deemed to be modified or superseded for the purposes of this prospectus to the extent that a statement contained herein or in any subsequently filed document that is also incorporated by reference in this prospectus modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

You may request a copy of these filings, at no cost, by telephoning us at (408) 990-4000 or by writing us at the following address:

Chief Financial Officer  
QuickLogic Corporation  
2220 Lundy Avenue  
San Jose, California 95131-1816  
[ir@quicklogic.com](mailto:ir@quicklogic.com)

**Up to \$20,000,000**



**Common Stock**

**Prospectus Supplement**

**Needham & Company**

**February 25, 2025**