



QuickLogic Investor Presentation

September 2018
NASDAQ: QUIK



Safe Harbor Statement

This press release contains forward-looking statements regarding our future business expectations, which are subject to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are only predictions and may differ materially from actual results due to a variety of factors including: delays in the market acceptance of the Company's new products; the ability to convert design opportunities into customer revenue; our ability to replace revenue from end-of-life products; the level and timing of customer design activity; the market acceptance of our customers' products; the risk that new orders may not result in future revenue; our ability to introduce and produce new products based on advanced wafer technology on a timely basis; our ability to adequately market the low power, competitive pricing and short time-to-market of our new products; intense competition, including the introduction of new products by competitors; our ability to hire and retain qualified personnel; changes in product demand or supply; capacity constraints; and general economic conditions. These and other potential factors and uncertainties that could cause actual results to differ from the results predicted are described in more detail in the Company's public reports filed with the Securities and Exchange Commission (the "SEC"), including the risks discussed in the "Risk Factors" section in the Company's Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and in the Company's prior press releases, which are available on the Company's Investor Relations website at <http://ir.quicklogic.com/and> on the SEC website at www.sec.gov. QuickLogic expressly disclaims any obligation to update or revise any forward-looking statements found herein to reflect any changes in Company expectations or results or any change in events.

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Battery Life for Immersive User Experiences and Artificial Intelligence at the Endpoint

Smartphone, Wearable, Hearable, Tablet, Consumer Electronics & IoT devices
Always-on, Always-Listening



Investment Rationale

Addressing Critical Needs

- Enabling significantly longer battery life, immersive user experience & BOM integration
- Essential for Smartphones, Wearables, Hearables, Tablets, Consumer Electronics, & IoT

Top Tier Customers & Ecosystem Partners



Competitive Advantages

- 50+ patents in core IP
- eFPGA hardware accelerators optimize endpoint AI applications
- Ultra-low power always-on functionality at 70% less power than competing solutions
- Delivering flexibility and reduced R&D costs for System-on-Chip (SoC) vendors

Driving to Profitable Growth

- Secured numerous SoC design wins for Wearable, Hearable, Tablet, Consumer Electronics and IoT markets
- Executing license agreements for eFPGA IP
- Expanding market for technology with QuickAI™ platform for endpoint AI applications

Product Lines



Voice / Sensor Processing System-on-Chip

- Multi-core SoC for sensor processing, Endpoint Devices, Artificial Intelligence, immersive user experience of sensor fusion and always-on deeply embedded voice recognition



Ultra-Low Power Programmable Logic devices (FPGAs) and IP Licensing (eFPGA)

- Available as discrete devices, integrated into our multi-core SoCs, or available for IP licensing
- Enables pre-processing for Artificial Intelligence in Edge and Endpoint Devices



Display Bridges and Connectivity

- Solves interface mismatches between Application Processors and Displays
- MIPI DSI, RGB, and LVDS display support



EOS™ S3

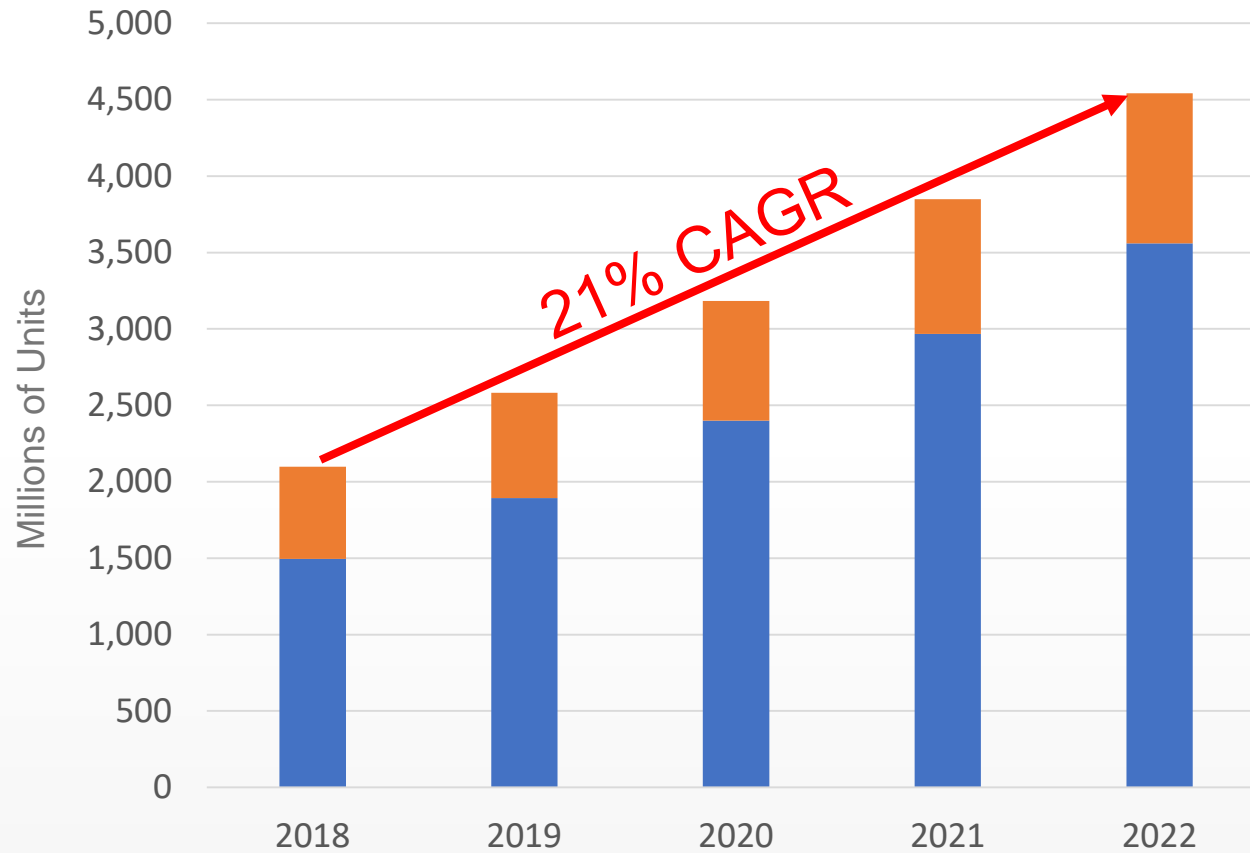
- Always-on / Always-listening
- Ultra-low power
- Product design flexibility

ArcticPro™

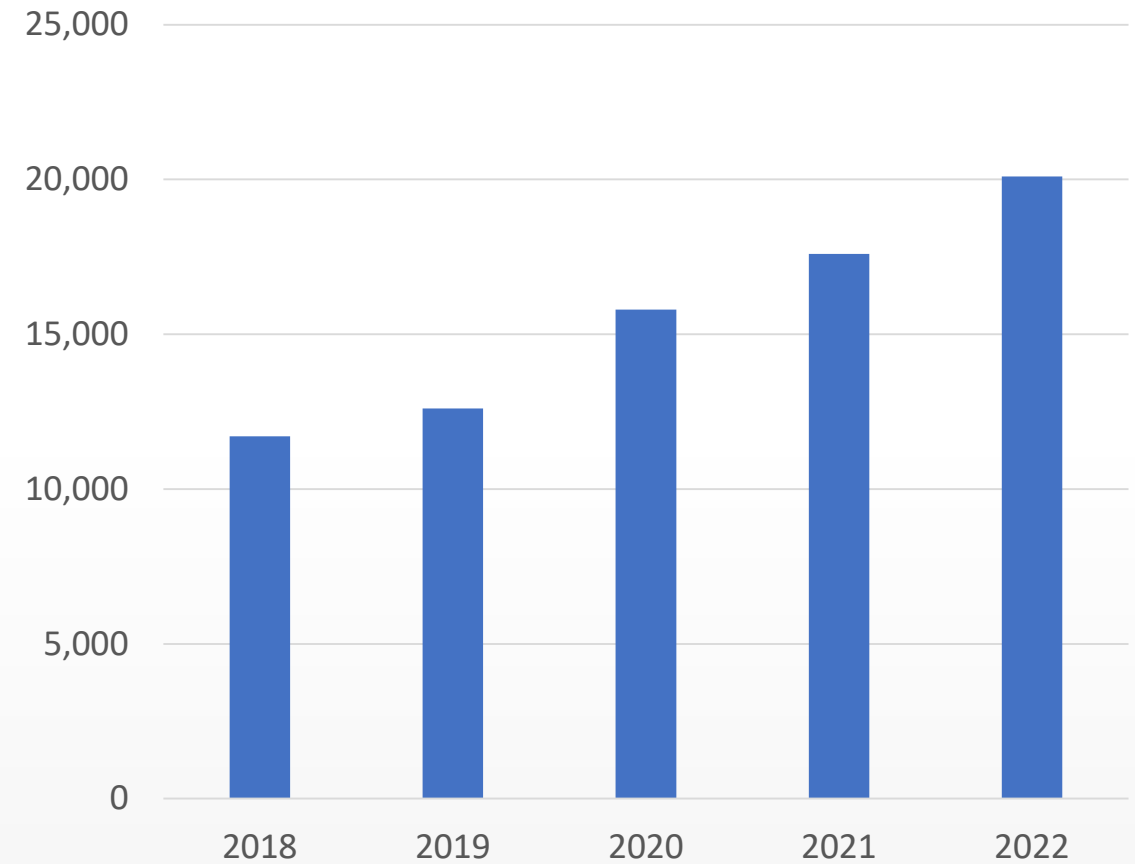
- eFPGA Hardware Accelerator
- eFPGA compiler
- eFPGA place and route tools

Serving High Growth, High Volume Markets

Served Available Market



Connected Devices TAM



Source: ABI Research, 2018

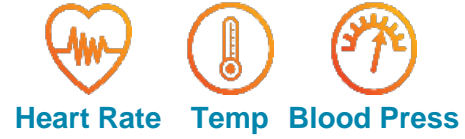
■ Non-AI ■ Endpoint AI

Immersive User Experience Requires More Sensors

Motion Sensors



Biological Sensors



Environmental Sensors



Gesture Sensors

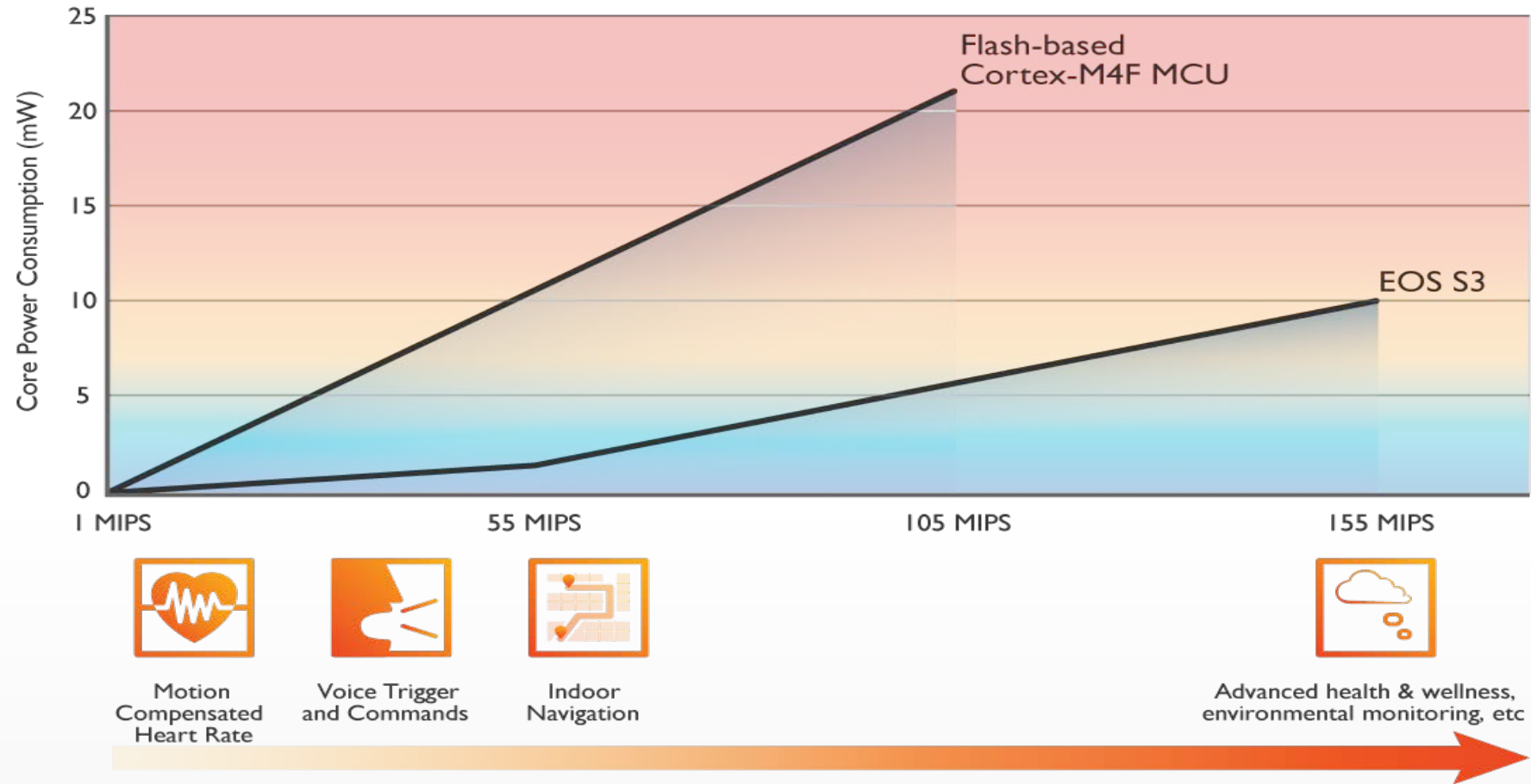


Always-Listening Driven by Cloud Platform Providers

Driven by Voice-Enabled Experience



The More Immersive the Experience, the Greater Our Value



“EOS S3 is a masterpiece in system engineering”
---CTO of a large Hearable OEM

Expanding Ecosystem Partnerships With Industry Leaders

Immersive User Experience & Artificial Intelligence at the Endpoint



Leading supplier of deeply embedded voice recognition technology



Global developer of embedded audio digital signal processing solutions



World leading vendor of Bluetooth® low energy Systems-on-Chip (SoCs)



Produces the NM500, a NeuroMem-based IC that enables artificial & intelligence in endpoint solutions



Leading-edge software tools that enable the quick and easy generation of application-specific pattern recognition code.



Leading supplier of Android-compliant sensor fusion algorithms for Chinese OEMs



A total solution company for audio products



Rapidly growing leading enterprise provider of Artificial Intelligence (AI) speech technology



The inventor of NeuroMem, a scalable neural network technology

Sensor Processing SoC Market Adoption

Ramping Now

Wearables

- Naver Labs in Korea (\$20B market cap) – Smartwatch via Korea Telecom (KT)
- Tier 1 Smartphone OEM – 1st Wearable design locked down, anticipate shipment in 1H'2019
- Tier 1 Smartphone OEM – 2nd Wearable design anticipate being completed by end of 2018



Smartphones

- Japanese OEM – recently signed MOU for multiple smartphones through 2020

Tablets

- Large Chinese OEM – Shipping in two Design Wins



Hearables

- Cleer, Inc. selected EOS S3 for its EDGE Voice wireless headphones, a 2018 CES Innovation Awards honoree
- Multiple Amazon Alexa-enabled Hearable Design Wins shown at CES 2018 expect to ramp in 2H'2018



Non-Mobile CE Product

- Large CE product win that will launch at CES 2019

Ecosystem

- Murata introduced battery-powered WiFi Smart Speaker in May at Japan IoT Show
- Ultra-low power Amazon Alexa support for products using Qualcomm Bluetooth audio SoCs

Embedded FPGA (eFPGA) IP Licensing



EOS™ S3

Always-on / Always-listening
Ultra-low power
Product design flexibility

ArcticPro™

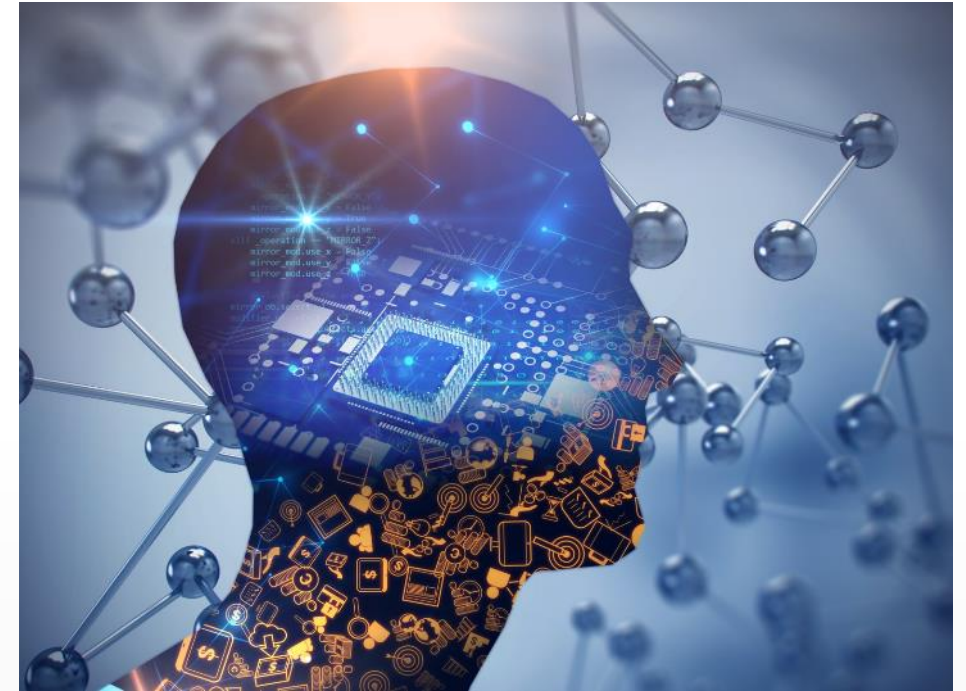
eFPGA Hardware Accelerator
eFPGA compiler
eFPGA place and route tools

Licensing Model Brings New High Margin Business

eFPGA IP Licensing Positioning



- Targets significant financial potential
 - \$10M+ potential annual licensing revenue with upside on royalty revenue in 2+ years
- Creates new, high gross margin manufacturing licenses revenue streams
- Delivers flexibility and reduced R&D costs for SoC vendors



The embedded semiconductor intellectual property (IP) market is expected to grow from \$3.09B to over \$7B by 2022, according to Markets&Markets.

eFPGA Benefits

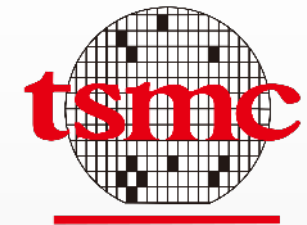
Programmable Hardware Accelerators for SoCs / ASICs

- Enable Artificial Intelligence in Endpoint Applications
- Ultra-Low Power Consumption
- Increase System Perf – Offload MIPS-intensive tasks from CPU
- Lower R&D Costs – Reduces development time & cost
- Faster Time to Market – Supports post-fabrication changes



Secured Two Top-tier eFPGA Foundries, Developing a Third

- ArcticPro™, **first** eFPGA announced for **new** GLOBALFOUNDRIES' 22FDX® (FDSOI) process
- Supports 65nm and 40nm leveraging existing technology and foundry relationship with GLOBALFOUNDRIES
- Executed manufacturing license agreement with SMIC for its 40nm LL process node
- Initiated new technology port for TSMC



eFPGA – Market Momentum

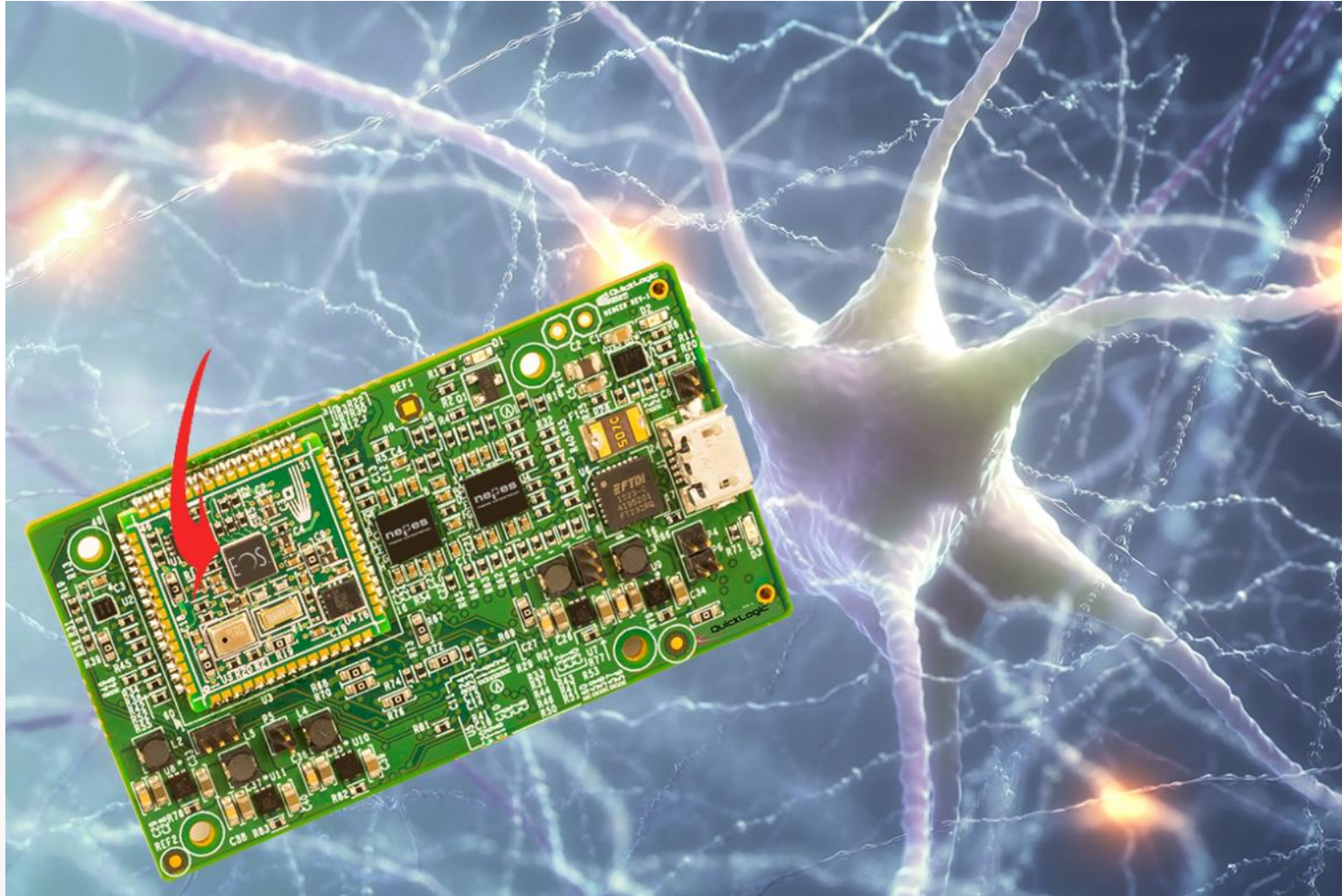
- Collaboration with ETH Zurich to integrate eFPGA into Parallel Ultra Low Power (PULP) platform targeting GLOBALFOUNDRIES' 22FDX
- Strategic eFPGA Partnership with C-SKY Microsystems for C-SKY's ultra-low power common CPU platform
- Joined RISC-V Foundation to broaden the adoption of open-source architecture and ecosystems and to leverage the eFPGA IP
- Increased number of significant ArcticPro eFPGA engagements and expect to sign license agreements in 1H'2019

ETH zürich

C-SKY

RISC-V

Future Growth - Artificial Intelligence for 350M unit IoT Market*



* Source: ABI Research

QuickAI Applications

- Vision Inspection for Fruit & Vegetable Harvesting



- Industrial Predictive Maintenance



Target Operating Model

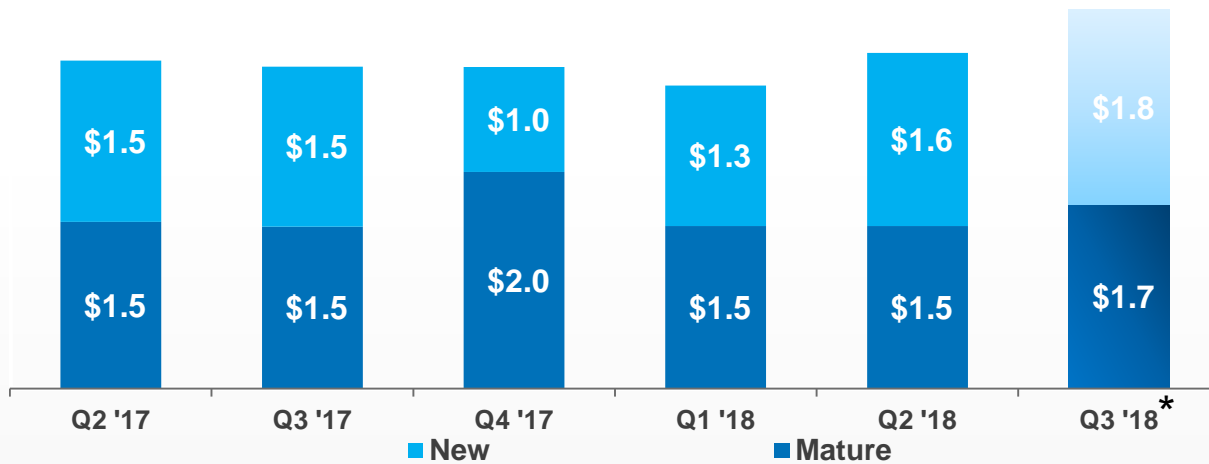
Targets	Mid Term (2 year)	Long Term (>2 year)
Revenue Growth	>50%	>50%
Non-GAAP Gross Margin	≥50%	>50%
Non-GAAP Operating Margin	0 - 10 %	10 - 15%

* Non-GAAP: See Appendix for GAAP reconciliation

NOTE: These projections are subject to a number of assumptions, risks, uncertainties and other factors that may cause our actual results to differ materially from such projections

Historical Quarterly Financial Highlights

Revenue (\$ in Ms)



* Q3 '18 Guidance +/- 10%

Balance Sheet Data (Millions)

06/30/2018

Total Cash

\$22.8

Bank Debt – **4.63% Int.**

\$6.0

Closed Secondary Offering on May 29, 2018, with net proceeds of \$13.9M.

Q3 2018 Financial Forecast

Non-GAAP	Q4'17	Q1'18	Q2'18	Q3'18
<i>(\$ in millions, except noted)</i>	Actual	Actual	Actual	Guidance
New Product Revenue	\$ 1.0	\$ 1.3	\$ 1.6	\$ 1.8
Mature Product Revenue	\$ 2.0	\$ 1.5	\$ 1.5	\$ 1.7
Total Revenue	\$ 3.0	\$ 2.8	\$ 3.1	\$ 3.5

Non-GAAP Gross Margin	52%	52%	50%	50% +or-3%
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R&D	\$ 2.3	\$ 2.5	\$ 2.2	\$ 2.4
SG&A	\$ 2.3	\$ 2.3	\$ 2.3	\$ 2.3
Total Expense	\$ 4.6	\$ 4.9	\$ 4.5	\$ 4.7

Other Income/expense/taxes	\$65k	\$(99)K	\$(38)k	\$(60)k
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Net Loss*	\$ (3.0)	\$ (3.5)	\$ (3.0)	\$ (3.0)*
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Net Loss Per Share*	\$0.04	\$0.04	\$0.04	\$0.03*
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Q3'18 cash usage is expected to range between \$2.5M to \$3M.

* at the midpoint

Actual results may vary significantly due to things that are beyond the company's control, such as schedule variations from customers, schedule changes and projected production start dates could push or pull shipments.

Forecast as of August 8, 2018, Q3 2018 conference call.

QuickLogic Leadership

Executives

Brian Faith

Chief Executive Officer, Director

- Joined in 1996
- CEO in 2016
- VP of Worldwide Marketing/ VP of Worldwide Sales & Marketing 2008-2016
- Rising managerial & executive positions, including engineering, product line management, marketing and sales

Sue Cheung, Ph.D.

Chief Financial Officer

- Joined in 2007
- CFO in 2017
- VP of Finance/CAO since 2015, Corporate Controller 2007-2015
- Sr. Accounting management positions at Dell SonicWALL, VeriFone and other publicly traded and privately held companies
- Certified Public Accountant (CPA)
- Doctorate in Business Administration

Timothy Saxe, Ph.D.

Chief Technology Officer & SVP Engineering

- Joined in 2001
- CTO in 2008, SVP of Eng. in 2016
- Rising executive positions including VP of Eng. and VP of Software Eng.
- VP of FLASH Engineering at Actel Corp. and founder/CEO of semiconductor mfg. division at GateField Corp. (Zycad)
- Doctorate in Electrical Engineering

Rajiv Jain

VP Worldwide Operations

- Joined in 1992
- VP Worldwide Ops in 2014
- Sr. Dir. of Operations & Development Eng., Sr. Dir. of System Solutions & Process Technology, Dir. of Process Technology, and Sr. Process Technologist 1992-2014
- Sr. Engineering positions at National Semiconductor and Monolithic Memories

Board of Directors

E. Thomas Hart

Chairman

- QuickLogic CEO 1994-2009
- VP & GM of Advanced Networking Division at National Semiconductor Corp.
- Senior Manager, Motorola, Inc.

Michael R. Farese

Director

- 35 years in executive roles in telecomm & semiconductor industry including Antenna29; Entropic Comm. Inc.; BitWave Semicon, Palm; WJ Comm; Tropian Inc.; Motorola Corp.; Ericsson Inc.; Nokia Corp.; ITT Corp.; AT&T Corp.; and Bell Labs

Arturo Krueger

Director

- Over 40 years leadership in systems architecture, semiconductor design & development, operations and marketing
- Executive roles at Motorola, Inc. semiconductor products; Director, Marvell Technology Group Ltd

Andrew J. Pease

Director

- QuickLogic CEO/President 2009-2016, VP Worldwide Sales 2006-2009
- Executive roles at Broadcom Corp.; Syntricity, Inc.
- Various sales positions at Advanced Micro Devices; Integrated Systems Inc.; and Vantis Corp.

Daniel A. Rabinovitsj

Director

- VP of Connectivity, Facebook
- COO, Ruckus Wireless, Inc.
- Executive roles at Qualcomm Atheros, Inc.; Atheros Communications; NXP Semiconductors; ST Ericsson; and Silicon Labs

Christine Russell

Director

- CFO, PDF Solutions, Inc.
- CFO, UniPixel, Inc., Vendavo, Inc.,
- CFO positions at Evans Analytical Group; Virage Logic Corp.; OuterBay; Ceva, Inc.; and Persistence Software, Inc.

Gary H. Tauss

Director

- Exec. Director & CEO, BizTech
- Executive roles at Mobidia Technology, Inc.; InfiniRoute Networks, Inc.; LongBoard, Inc.; and TollBridge Technologies

Thank You!



Appendix



Non-GAAP Measures

QuickLogic reports financial information in accordance with GAAP, but believes that non-GAAP financial measures are helpful in evaluating its operating results and comparing its performance to comparable companies. Accordingly, the Company excludes charges related to stock-based compensation, restructuring, the effect of the write-off of long-lived assets and the tax effect on other comprehensive income in calculating non-GAAP (i) income (loss) from operations, (ii) net income (loss), (iii) net income (loss) per share, and (iv) gross margin percentage. The Company provides this non-GAAP information to enable investors to evaluate its operating results in a manner similar to how the Company analyzes its operating results and to provide consistency and comparability with similar companies in the Company's industry. Management uses the non-GAAP measures, which exclude gains, losses and other charges that are considered by management to be outside of the Company's core operating results, internally to evaluate its operating performance against results in prior periods and its operating plans and forecasts. In addition, the non-GAAP measures are used to plan for the Company's future periods, and serve as a basis for the allocation of the Company's resources, management of operations and the measurement of profit-dependent cash and equity compensation paid to employees and executive officers. Investors should note, however, that the non-GAAP financial measures used by QuickLogic may not be the same non-GAAP financial measures, and may not be calculated in the same manner, as that of other companies. QuickLogic does not itself, nor does it suggest that investors should, consider such non-GAAP financial measures alone or as a substitute for financial information prepared in accordance with GAAP. A reconciliation of GAAP financial measures to non-GAAP financial measures is included in the financial statements portion of this press release. Investors are encouraged to review the related GAAP financial measures and the reconciliation of non-GAAP financial measures with their most directly comparable GAAP financial measures.

P&L – Non-GAAP

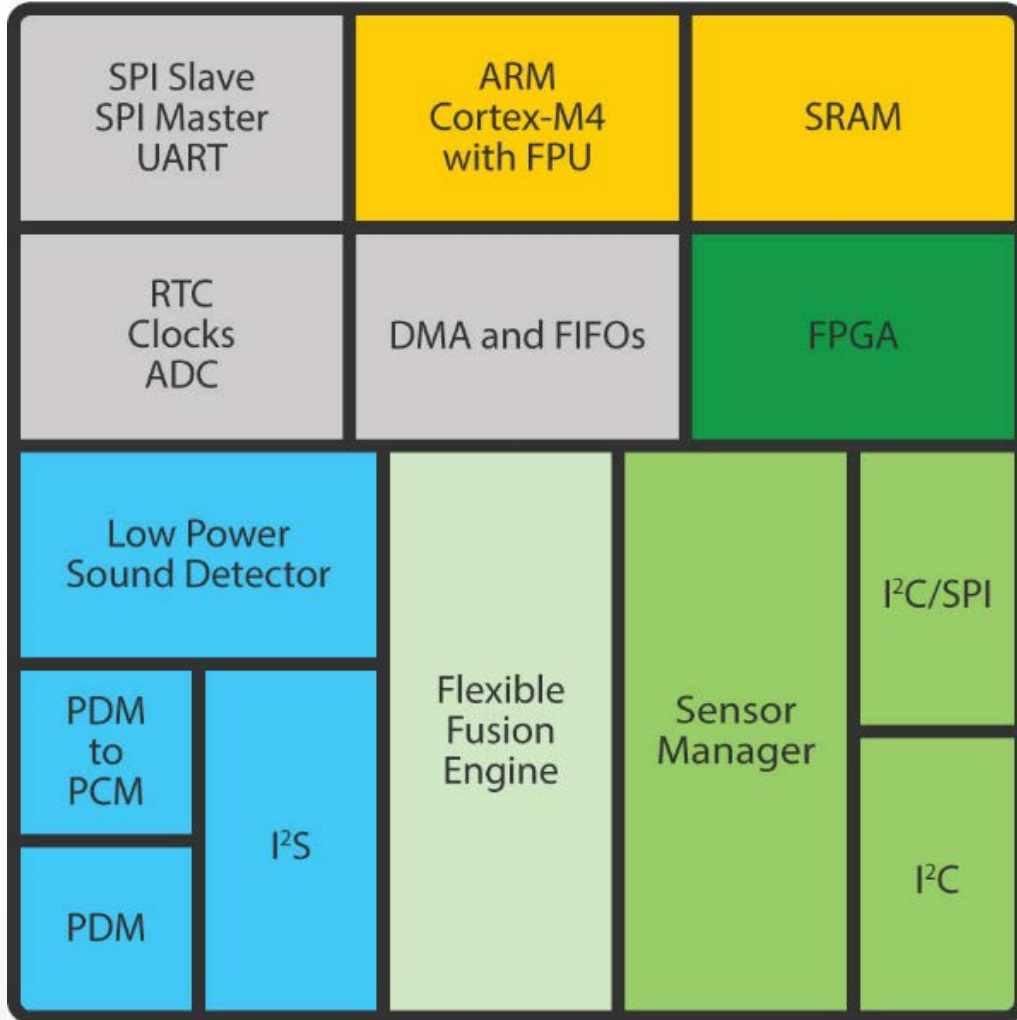
Non-GAAP Results Millions (except for EPS)	Q4'17 Actual	Q1'18 Actual	Q2'18 Actual
New Product Revenue	\$1.0	\$1.3	\$1.6
Mature Revenue	\$2.0	\$1.5	\$1.5
Total Revenue	\$3.0	\$2.8	\$3.1
Gross Margin %	52%	52%	50%
Research & Development	\$2.3	\$2.5	\$2.2
SG&A	\$2.3	\$2.3	\$2.3
Total Operating Expense	\$4.6	\$4.9	\$4.5
Operating Income (Loss)	(\$3.0)	(\$3.4)	(\$3.0)
Net Income (Loss)	\$3.0	(\$3.5)	(\$3.0)
EPS	\$0.04	(\$0.04)	(\$0.04)

GAAP to Non-GAAP Reconciliation

	Q4'17	Q1'18	Q2'18
(In \$ '000)	Actual	Actual	Actual
Non-GAAP Operating Loss	\$ (3,091)	\$ (3,434)	\$ (2,967)
Stock-based Compensation	(381)	(432)	(479)
Restructuring Costs	-	-	-
FA impairment and/or write-off	(2)	(5)	-
GAAP Operating Loss	\$ (3,474)	\$ (3,871)	\$ (3,446)

Non-GAAP Net Loss	\$ (3,026)	\$ (3,533)	\$ (3,005)
Adjustments:			
Stock-based Compensation	(381)	(432)	(479)
FA impairment and/or write-off	(2)	(5)	-
GAAP Net Loss	\$ (3,409)	\$ (3,970)	\$ (3,484)

EOS S3 Multi-Core SoC Platform



Sensor Manager

Autonomously handles management and control of all sensors



Flexible Fusion Engine

10 MHz μ DSP-like processor for always-on, real-time sensor data



FPGA

Allows implementation of additional FFE and other customer-specific IP



Voice Processing

Digital mic interfaces and Low Power Sound Detection* (LPSD)
*LPSD optimized for Sensory TrueHandsFree™ Voice Control



Cortex M4-F

80 MHz and 512 KB SRAM for general purpose processing and running O/S



Serial I/O

SPI Master/Slave, I²C, UART



System

DMA, Integrated RTC, Oscillators, ADC, and LDO

CES 2018

Expanding the Market for Hearables/Wearables





Cleer

Stage Portable Bluetooth Speaker

Approved by Amazon for
Alexa Voice Services (AVS)



Cleer

EDGE Voice Headphone

Amazon's Alexa Voice Services
(AVS) via Bluetooth