Safe Harbor

This presentation contains forward-looking statements that involve estimates, assumptions, risks and uncertainties, including statements relating to our expectations about our systems solutions' offerings under the heading "Future".

Factors that may cause actual results to differ materially from the forward-looking statements in this presentation include those risks more fully described in Lattice's filings with the SEC including its annual report on Form 10-K for the fiscal year ended January 2, 2021 and quarterly filings.

You should not unduly rely on forward-looking statements because actual results could differ materially from those expressed in any forward-looking statements. In addition, any forward-looking statement applies only as of the date on which it is made. The Company does not intend to update or revise any forward-looking statements, whether as a result of events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

LATTICE SEMICONDUCTOR

Agenda

1	Company Overview
2	Products & Solutions
3	End Markets & Applications
4	Financials

Our Mission

The Low Power Programmable Leader

Lattice Semiconductor Overview

APPLICATIONS & MARKETS

We enable secure control, flexible connectivity, and low power compute acceleration

COMMUNICATIONS & COMPUTING
43%

INDUSTRIAL & AUTOMOTIVE
41%

CONSUMER & LICENSING SERVICES
16%

WORLD CLASS SUPPLIER

#1
World's largest volume supplier of FPGA

Tier 1
Supplier with 38 years of innovation

Forbes 2021
AMERICA'S BEST MID-SIZE COMPANIES

2021 GLOBEE AWARDS GOLD WINNER CYBER SECURITY GLOBAL EXCELLENCE AWARDS

GSA 2020 AWARDS WINNER

THE ELECTRONICS INDUSTRY AWARDS 2020 WINNER

electronics maker Best Awards 2020

AI BREAKTHROUGH AWARDS

GROWING CUSTOMER BASE

Accton · amazon · BYD · Canon · CISCO · DELL · ERICSSON · Ford · FUJITSU · Google · H3C · hp · Hewlett Packard Enterprise · HITACHI · JUNIPER NETWORKS · Lenovo · LOCKHEED MARTIN · Microsoft · NOKIA · Panasonic · Raytheon · SAMSUNG · SIEMENS · SONY · ZTE

GLOBAL SUPPORT

Sales Support   Development Ctr.   Operations Ctr.

Note: * Applications & Markets percentages based on FY'20 revenue breakdown by reporting segment.

LATTICE SEMICONDUCTOR

Lattice Executive Leadership Team

Jim Anderson
CEO

Sherri Luther
CFO

Mark Nelson
Sales

Esam Elashmawi
Marketing & Strategy

Steve Douglass
Research & Development

Glenn O'Rourke
Operations & Quality

Byron Milstead
General Counsel

Terese Kemble
Human Resources

LATTICE
SEMICONDUCTOR

Holding Ourselves to the Highest ESG Standards

CULTURE OF INNOVATION

ENVIRONMENTALLY CONSCIOUS

INCLUSION & SOCIAL WELLBEING

TRANSPARENCY & INTEGRITY

Committed to Sustainable Business Practices

More information available here.

Agenda

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LATTICE
SEMICONDUCTOR®

Lattice Value Proposition

Smallest **SIZE**

Lowest **POWER**

Highest **SECURITY**

RELIABLE by Design

EASE of Use

LATTICE SEMICONDUCTOR.

Lattice FPGA Portfolio

BROAD FAMILY OF LOW POWER FPGAs

ECP Family

Certus Family

CertusPro Family

GENERAL PURPOSE

Addresses a broad range of applications across multiple markets

- Lowest power and smallest package with up to 10G SERDES and 150K LUTs
- Industry-leading reliability and efficient processing with class-leading on-chip memory

FPGA FAMILIES TAILORED FOR SPECIFIC NEEDS

VIDEO CONNECTIVITY

CrossLink Family

Optimized for high-speed video and sensor applications

- First FPGA with hardened MIPI D-PHY
- Highest performance at lowest power

ULTRA LOW POWER

iCE40 Family

World's lowest power FPGAs; Optimized for small form factor

- Static current as low as 25 uA
- World's most popular ultra-low power FPGA

CONTROL & SECURITY

Mach Family

Optimized for platform management & security applications

- 50% market share
- Highest I/O density

LATTICE SEMICONDUCTOR
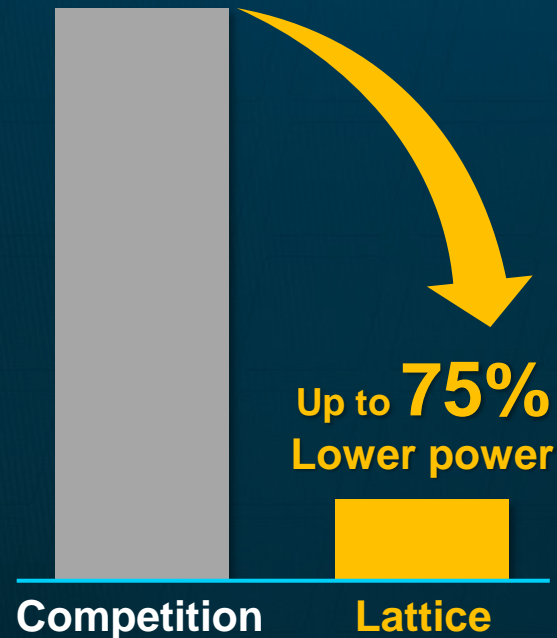
AVAILABLE NOW

LATTICE **NEXUS**™

FD-SOI Small FPGA Platform

- Low power leadership
- Edge computing ready
- Robust and reliable
- Smallest form factor
- Faster innovation cadence

LATTICE SEMICONDUCTOR

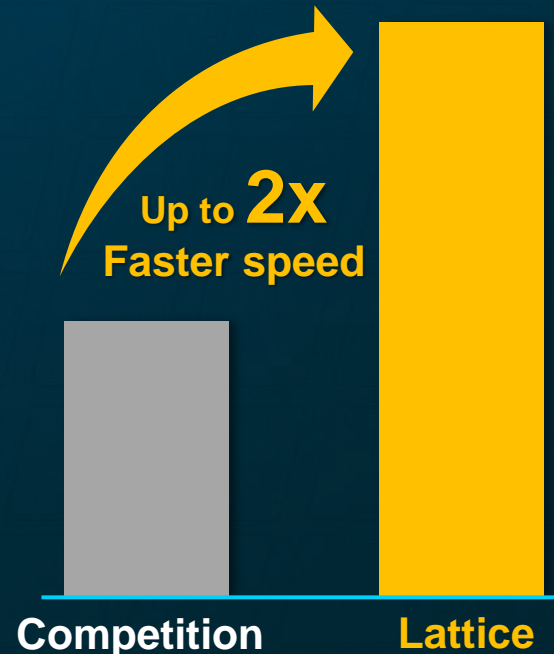# Lattice Nexus is Changing the FPGA Landscape

POWER

Operating Power Consumption

Up to **75%** Lower power

Competition   Lattice

PERFORMANCE

Video Connectivity

Up to **2x** Faster speed

Competition   Lattice

Note: comparing similar class competitive devices

RELIABILITY

Soft Error Rate

Up to **100x** Lower SER

Competition   Lattice

LATTICE SEMICONDUCTOR
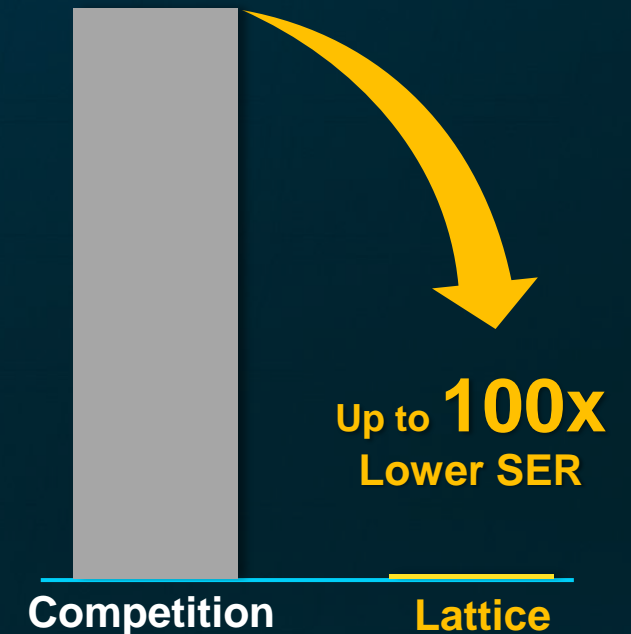
Nexus-based Low Power Silicon

CrossLink-NX

Embedded Vision Processing

Built on the Lattice Nexus Platform

Optimized Low Power Architecture
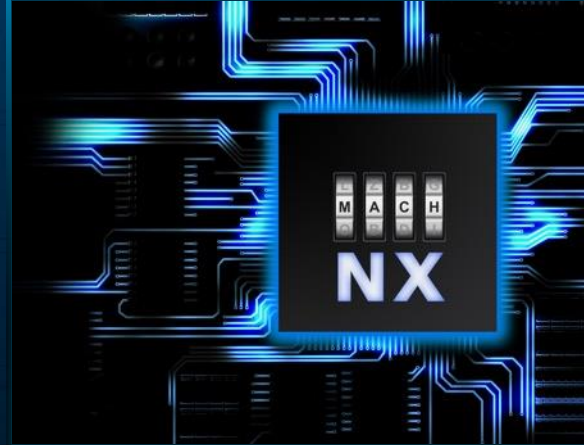
AVAILABLE NOW

Certus-NX

General Purpose Processing

Built on the Lattice Nexus Platform

Lowest Power & Smallest Package with 5G PCIe

AVAILABLE NOW

Mach-NX

Next Gen Hardware Security

Cyber Resilient System Control

Dynamic End-to-End Firmware Protection
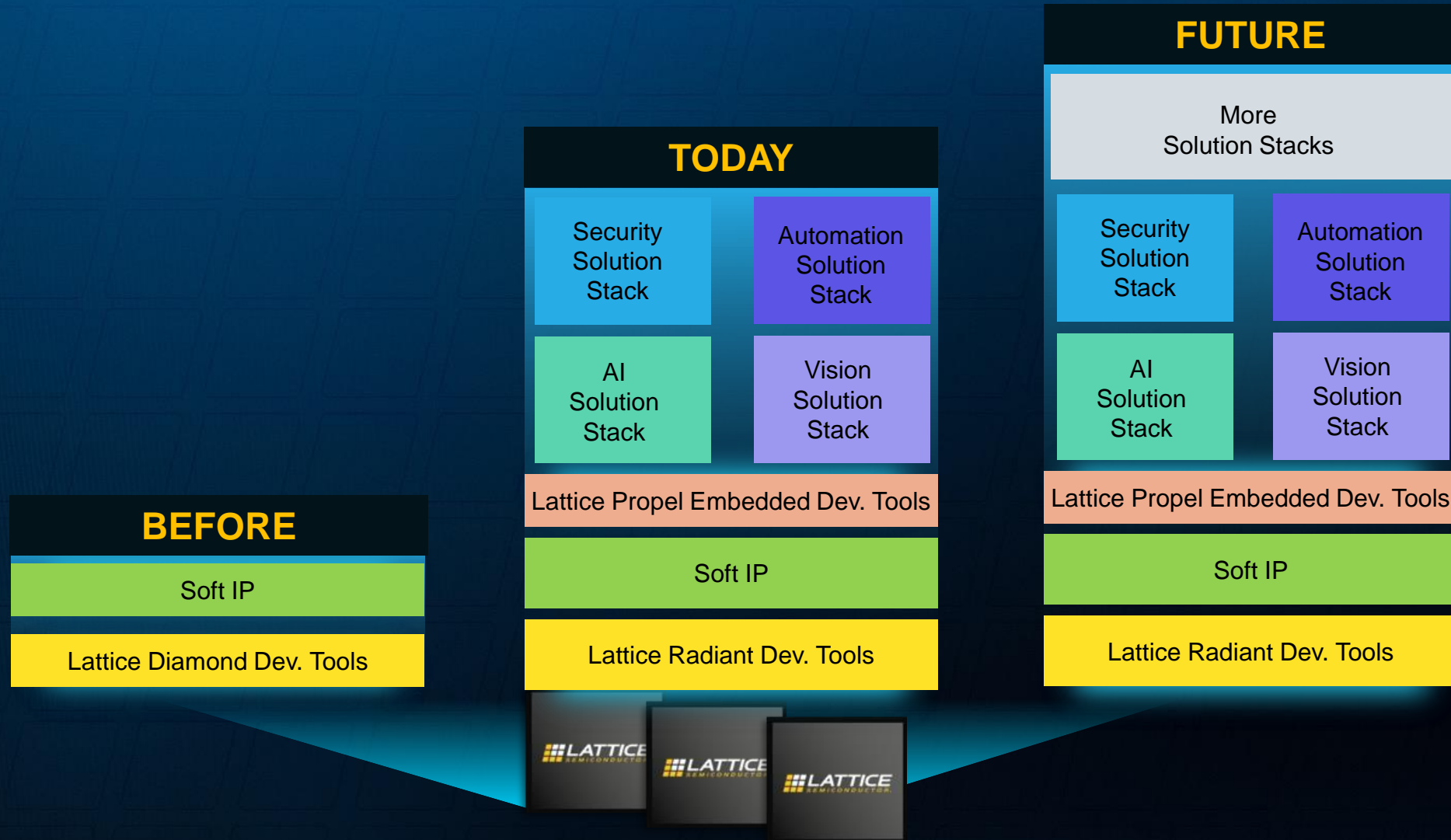
ENGINEERING SAMPLES AVAILABLE

CertusPro-NX

Advanced General Purpose FPGA

Highest Logic Density Nexus FPGAs

Best in class power efficiency, system bandwidth, and memory capabilities

ENGINEERING SAMPLES AVAILABLE

LATTICE SEMICONDUCTOR

Lattice's Expanded System Solutions

TODAY

Security Solution Stack	Automation Solution Stack
AI Solution Stack	Vision Solution Stack

Lattice Propel Embedded Dev. Tools

Soft IP

Lattice Radiant Dev. Tools

FUTURE

More Solution Stacks

Security Solution Stack	Automation Solution Stack
AI Solution Stack	Vision Solution Stack

Lattice Propel Embedded Dev. Tools

Soft IP

Lattice Radiant Dev. Tools

BEFORE

Soft IP

Lattice Diamond Dev. Tools

Bringing Additional Value to Our Customers

Value-Added Solution Stacks

Lattice sensAI

**Low Power
Edge AI**

High Performance Inferencing
Under 1W

Supports Industry Standard ML
Frameworks

Complete Solution Enablement

Lattice mVision

**Low Power Embedded
Vision**

Flexible Image Sensor
Bridging & Aggregation

Image Processing Integration

Complete Solution Enablement

Lattice Sentry

**Protect with Dynamic
Trust**

Secure Hardware Creates
Root-of-Trust for Systems

Cryptographically Secured
Supply Chain

Protection Against Cloning,
Counterfeiting, Trojan Insertion,
& Simulation

Lattice Automate

**Accelerating Factory
Automation**

Complete solutions stack accelerates
industrial automation development

Supports common use cases including
motor control, real-time networking, &
predictive maintenance

Complete solution enablement

Easy-to-use Software Tools

Lattice Diamond

Powerful FPGA Design & Verification Environment

Easy Design Exploration

Easy to Use Powerful Tools

Optimized for Lattice Devices

Lattice Radiant

Best-in-class, Easy-to-use Design Software

Simplified Flow for Faster Design

Increase Re-use with IP Tools

Leading Synthesis & Simulation

Lattice Propel

Complete Toolset for FPGA-based Embedded System Design

IP System Integration Environment

Software Development Kit & Libraries

Build, Compile, Analyze, Debug

Expanding Our Leadership Portfolio

SOFTWARE SOLUTIONS

LATTICE sensAI	LATTICE mVision	LATTICE Sentry	LATTICE AuToMate	Lattice 5G ORAN Stack **LAUNCHING H1 2022**	Next Solution Stack **TO BE ANNOUNCED**

HARDWARE DEVICES

LATTICE AVANT™

PLATFORM
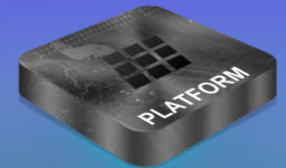
LAUNCHING H2 OF 2022

LATTICE NEXUS

LATTICE SEMICONDUCTOR	LATTICE SEMICONDUCTOR	LATTICE SEMICONDUCTOR	LATTICE SEMICONDUCTOR	LATTICE SEMICONDUCTOR	LATTICE SEMICONDUCTOR
CrossLink-NX	Certus-NX	Mach-NX	CertusPro-NX	Nexus #5	Nexus #6
				LAUNCHING H1 2022	TO BE ANNOUNCED

LATTICE SEMICONDUCTOR

Innovating for the Future with Avant

LATTICE AVANT

Target Launch H2 of Next Year

CUSTOMER BENEFITS

- Market leading power efficiency

- Advanced FPGA architecture

- Scalable to 5X the capacity of Nexus

- Higher system bandwidth

- Breakthrough system features

- Leverages existing software portfolio

- More to be announced at launch

LATTICE SEMICONDUCTOR

Agenda

1 > Company Overview

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3 > **End Markets & Applications**

4 > Financials

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Positioned in Growing Markets

COMMUNICATIONS	COMPUTE	INDUSTRIAL	AUTOMOTIVE	CONSUMER
5G Wireless	Servers	Industrial IoT	ADAS	Smart Home
Switches/Routers	Client	Factory Automation	Infotainment	Wearables

Leading the Industry in Low Power Programmability

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Lattice Solves Communications Challenges

Scalable Hardware Management

5G ORAN

Secure Control

ASIC Bridging

PCIe Bridging

LATTICE SEMICONDUCTOR®

Lattice Solves Client Computing Challenges

AI Capable

Aware of surrounding
User detection & wellness

Seamless Interfacing

MIPI bridging
Sensor fusion

Enhanced Security

Platform Firmware Resilience

Small Form Factor

Single wire aggregation

Client Computing is a Greenfield Opportunity for Lattice

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Lattice Solves Datacenter Challenges

Platform Firmware Resilience

System Control

Card Interface

Power Sequencing

Compute Acceleration

NASDAQ: LSCC - 23

Lattice Solves Industrial Challenges

Functional Safety

Industrial Networking

Edge Computing

Touchless Control

Programmable Logic Controller

Predictive Maintenance

Package Detection

Machine Vision

Motor Control

Sensor Bridging

Collision Avoidance

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Lattice Solves Automotive Challenges

INFOTAINMENT

De-Fog

360° Surround View

Display Bridging

ISP

ADAS

Radar Sensor Bridging & Aggregation

Image Sensor Bridging & Aggregation

IN CABIN AI

Human Presence Detection

Driver Monitoring

SECURITY

Secure Battery Mgt.

Secure Boot

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Lattice Solves Consumer Challenges

Drones

AR / VR

Smart Appliance

Smart Speaker

Consumer Robots

Video Surveillance
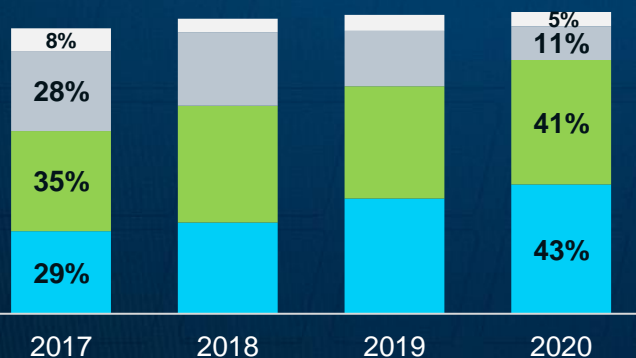
Wearable

Smart Doorbell

Smart Toys

LATTICE SEMICONDUCTOR

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Strong Financial Execution

REVENUE

Comms/Compute ▪ Industrial/Auto ▪ Consumer ▪ IP

	2017	2018	2019	2020
IP	8%			5%
Consumer	28%			11%
Industrial/Auto	35%		41%	
Comms/Compute	29%			43%

Growth in Core Strategic Markets

GROSS MARGIN*

- 2017: 56.3%
- 2018: 57.2%
- 2019: 59.3%
- 2020: 61.0%
- (baseline 50%)
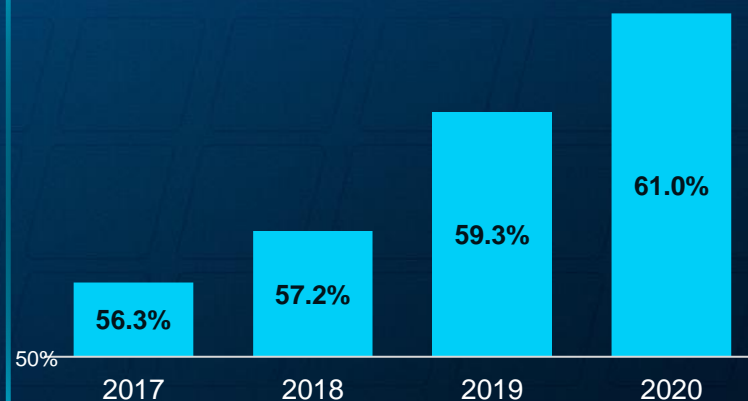
Gross Margin Expansion

OPEX*

SG&A ▪ R&D

	2017	2018	2019	2020
R&D	25.4%			19.2%
SG&A	21.8%			16.6%
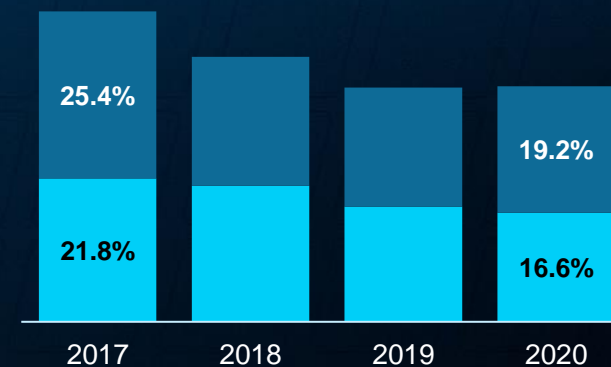
OpEx Discipline

OPERATING INCOME*

- 2017: 9.1%
- 2018: 16.7%
- 2019: 23.5%
- 2020: 25.2%
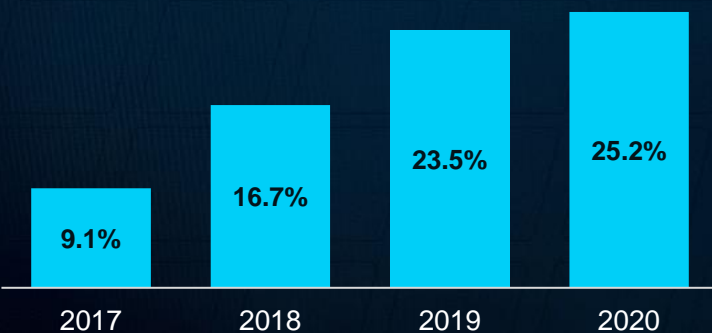
Record Operating Income

EARNINGS PER SHARE*

- 2017: $0.11
- 2018: $0.33
- 2019: $0.59
- 2020: $0.69

EPS Expansion

NET CASH

$ Millions

- 2017: ($194.4)
- 2018: ($140.6)
- 2019: ($28.4)
- 2020: $11.6
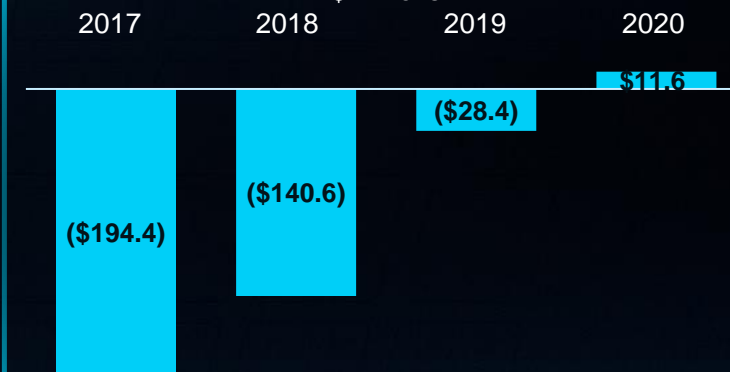
Positive Net Cash Position

Note: * Percentages based on non-GAAP basis. See appendix for reconciliation to most comparable GAAP measure

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Q2'21 Financial Highlights

REVENUE ($M)

2Q20	3Q20	4Q20	1Q21	2Q21
100.6	103.0	107.2	115.7	125.9

NET INCOME ($M)

2Q20	3Q20	4Q20	1Q21	2Q21
23.6	26.6	27.5	30.7	35.2

Non-GAAP

CASH ($M)

2Q20	3Q20	4Q20	1Q21	2Q21
165.2	182.3	182.3	185.3	187.7

DEBT ($M)

2Q20	3Q20	4Q20	1Q21	2Q21
170.5	170.6	170.7	170.8	166.5

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