Corporate Overview

September 2024

Safe Harbor Statement

Forward Looking Statements

This presentation may contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These statements involve estimates, assumptions, risks and uncertainties. Any statements about our expectations, beliefs, plans, objectives, assumptions or future events or performance are not historical facts and may be forward-looking. Such forward-looking statements include, but are not limited to, statements relating to new greenfield growth opportunities; our market position; our product portfolio expansion; our ability to solve customer challenges; and growth in our customer base. Other forward-looking statements may be indicated by words such as "will," "could," "should," "would," "may," "expect," "plan," "project," "anticipate," "intend," "forecast," "future," "believe," "estimate," "predict," "propose," "possible," "potential," "continue," "ongoing," or the negative of these terms or other comparable terminology. Factors that may cause actual results to differ materially from the forward-looking statements in this presentation include global economic conditions which may affect customer demand, the cyclical nature of the semiconductor industry, pricing and inflationary pressures, competitive actions, international trade disputes and sanctions, and the potential impact of global pandemics, and other significant risks and uncertainties that are beyond our ability to predict or control, including those risks more fully described in in our filings with the Securities and Exchange Commission, including Item 1A in Lattice's most recent Annual Report on Form 10-K, especially those under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations", all of which are expressly incorporated herein by reference.

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. We do not intend to, and undertake no obligation 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.

Use of non-GAAP Financial Information

To supplement the Company's financial statements presented on a GAAP basis, we have provided non-GAAP financial information in this presentation, including non-GAAP gross margin, gross margin percentage, earnings per share, operating profit, R&D expense, SG&A expense, and operating expenses. Non-GAAP financial information is not meant as a substitute for GAAP results but is included because management uses such information to evaluate and manage the Company and believes such information is useful to our investors for informational and comparative purposes. These non-GAAP measures should be considered in addition to, and not as a substitute for, the results prepared in accordance with GAAP. See the Appendix in our Q2'24 earnings reports for reconciliation to most comparable GAAP measure.

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LATTICE SEMICONDUCTOR

Agenda

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

The Low Power Programmable Leader

Lattice Semiconductor Overview

APPLICATIONS & MARKETS

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

COMMUNICATIONS & COMPUTING
35%

INDUSTRIAL & AUTOMOTIVE
59%

CONSUMER
6%

WORLD CLASS SUPPLIER

#1
World's largest volume supplier of FPGA

Tier 1
Supplier with 40+ years of innovation

GSA AWARDS CELEBRATION 2023 — WINNER

AI ARTIFICIAL INTELLIGENCE EXCELLENCE AWARD 2024

USA TODAY TOP WORK PLACES 2024 USA

Environment + Energy LEADER TOP PRODUCT 2024 Business + Infrastructure

AUTOTECH BREAKTHROUGH AWARD 2023

Hewlett Packard Enterprise 2023 Cyber Security Supplier of the Year

GROWING CUSTOMER BASE

Accton · amazon · BOSCH · BYD · Canon · CISCO

DELL · ERICSSON · Ford · FUJITSU · Google · H3C

hp · Hewlett Packard Enterprise · HITACHI · JUNIPER NETWORKS · Lenovo · Mitsubishi

LOCKHEED MARTIN · Microsoft · NOKIA · Panasonic · Raytheon

SAMSUNG · Schneider Electric · SIEMENS · SONY · ZTE

GLOBAL SUPPORT

Applications & Markets percentages based on FY2023 revenue breakdown by reporting segment.

LATTICE SEMICONDUCTOR

Lattice Executive Leadership Team
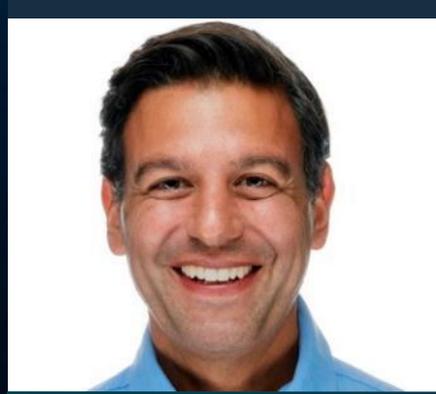

Ford Tamer
CEO

Sherri Luther
CFO

Pravin Desale
Research & Development

Esam Elashmawi
CSMO

Tracy Feanny
General Counsel

Terese Kemble
Human Resources

Denis Lavallee
Mirametrix

Mark Nelson
Sales

Divyesh Shah
Operations & Quality

Holding Ourselves to the Highest Corporate Stewardship Standards

CULTURE OF INNOVATION

The Low Power Programmable Leader

ENVIRONMENTALLY CONSCIOUS

Operational Excellence | Supply Chain Management

INCLUSION & SOCIAL WELLBEING

Our People | Our Communities | Our Culture

TRANSPARENCY & INTEGRITY

Governance Principles | Ethical Standards | Continuous Improvement

GSA MOST RESPECTED PUBLIC COMPANY FOUR YEARS IN A ROW

STRONG & GROWING RECOGNITION FOR CLEANTECH PRODUCT INNOVATION

More information available here.

Agenda

1 Company Overview

2 **Products & Solutions**

3 End Markets & Applications

4 Financials

LATTICE
SEMICONDUCTOR

Lattice Value Proposition

Smallest **SIZE**

Lowest **POWER**

Highest **SECURITY**

RELIABLE by Design

EASE of Use

LATTICE *SEMICONDUCTOR*

Lattice FPGA Portfolio

PLATFORM	DEVICE FAMILIES

LATTICE AVANT™

Avant™-E

Edge-optimized Processing

Avant™-G

Cutting-edge General Purpose Processing

Avant™-X

Advanced Connectivity

LATTICE NEXUS™

CrossLink™-NX

Embedded Vision Processing

Certus™-NX

General Purpose Processing

Mach™-NX

Next Gen Hardware Security

CertusPro-NX

Advanced General Purpose Processing

MachXO5™-NX

Enhanced System Monitor and Control

MachXO5T™-NX

Advanced System Control

CrossLinkU™-NX

Embedded Vision Processing with USB

MachXO5D™-NX

Advanced Secure Control

FPGA PLATFORM LEADERSHIP

LATTICE NEXUS™

Architected for applications requiring up to 10G SERDES and up to 100k LCs

LATTICE AVANT™

Architected for applications requiring up to 25G SERDES and up to 500k LCs

LOWER POWER

FASTER PERFORMANCE

SMALLER SIZE

Software Solution Stack Portfolio

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™

Cyber Resilient Root of Trust

Secure Hardware Creates Root-of-Trust for Systems

Cryptographically Secured Supply Chain

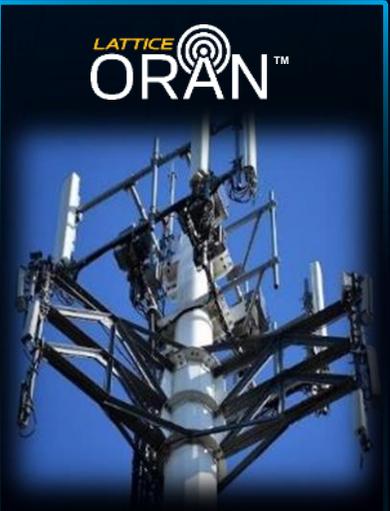Protection Against Cloning, Counterfeiting, Trojan Insertion, & Simulation

LATTICE Automate™

Accelerating Factory Automation

Accelerates industrial automation development

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

Complete solution enablement

LATTICE ORAN™

Enabling ORAN Deployment

Enables zero trust security and data protection in networks

Flexible, Tight Fronthaul Synchronization

Acceleration with Low Power

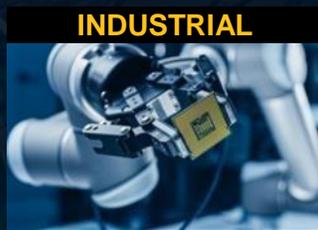## LATTICE Drive™

Adaptable Automotive Design

DisplayPort connectivity

Video scaling up to 4K

Local dimming for contrast enhancement

Bridging & networking

LATTICE SEMICONDUCTOR

Leadership Computer Vision Capabilities

MIRAMETRIX™

CLIENT

AUTOMOTIVE

INDUSTRIAL

Presence Detection

Depth Sensing

3D Head & Gesture Tracking

Face ID & Landmarks Tracking

Eye Feature Detection & Tracking

Human Skeleton Detection

Object Detection

Advanced AI Technology for the Edge

LATTICE SEMICONDUCTOR

Easy-to-use Software

Powerful FPGA Design & Verification Environment

Easy Design Exploration

Easy to Use Powerful Tools

Optimized for Lattice Devices

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

Simplified Flow for Faster Design

Increase Re-use with IP Tools

Leading Synthesis & Simulation

Complete Toolset for Embedded System Design
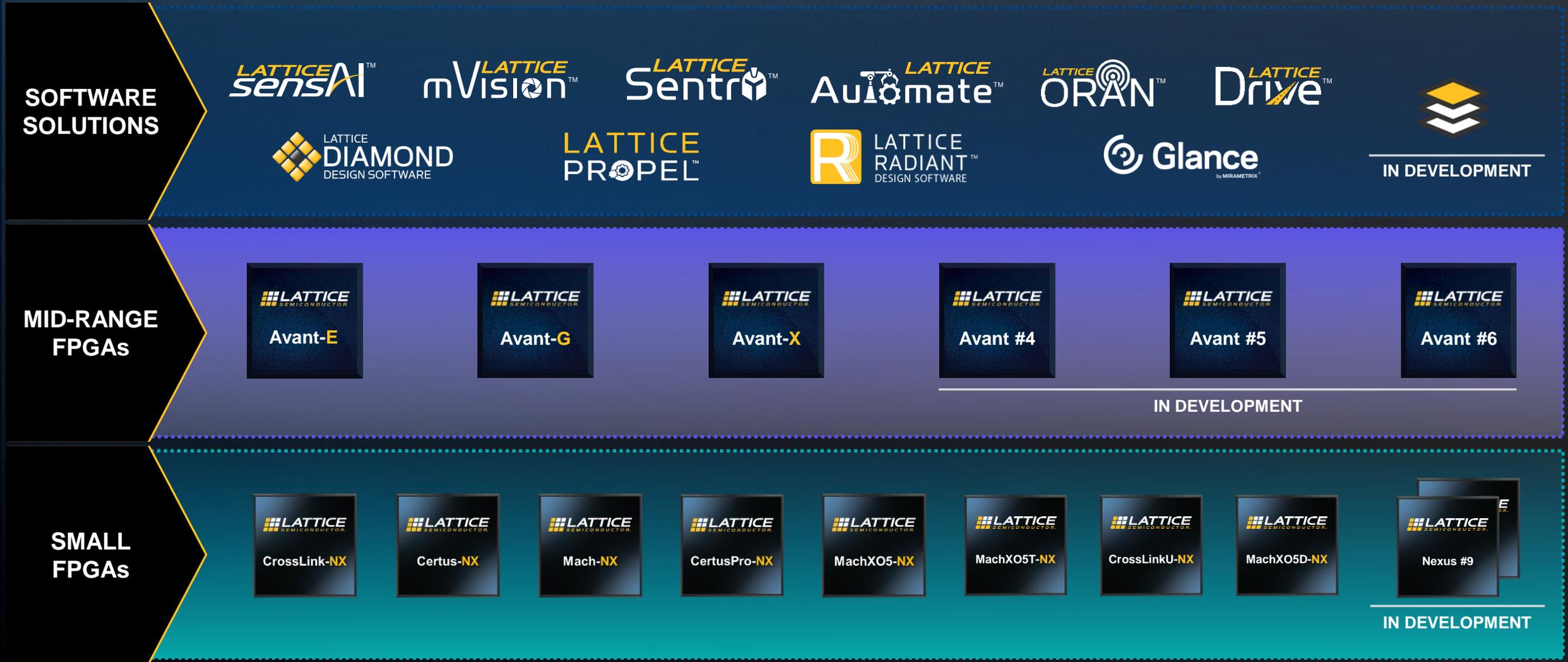
IP System Integration Environment

Software Development Kit & Libraries

Build, Compile, Analyze, Debug

Advanced Computer Vision Software for the Edge

Security and Privacy Protections

Digital Wellbeing Capabilities

Facilitates Intelligent Collaboration & Productivity
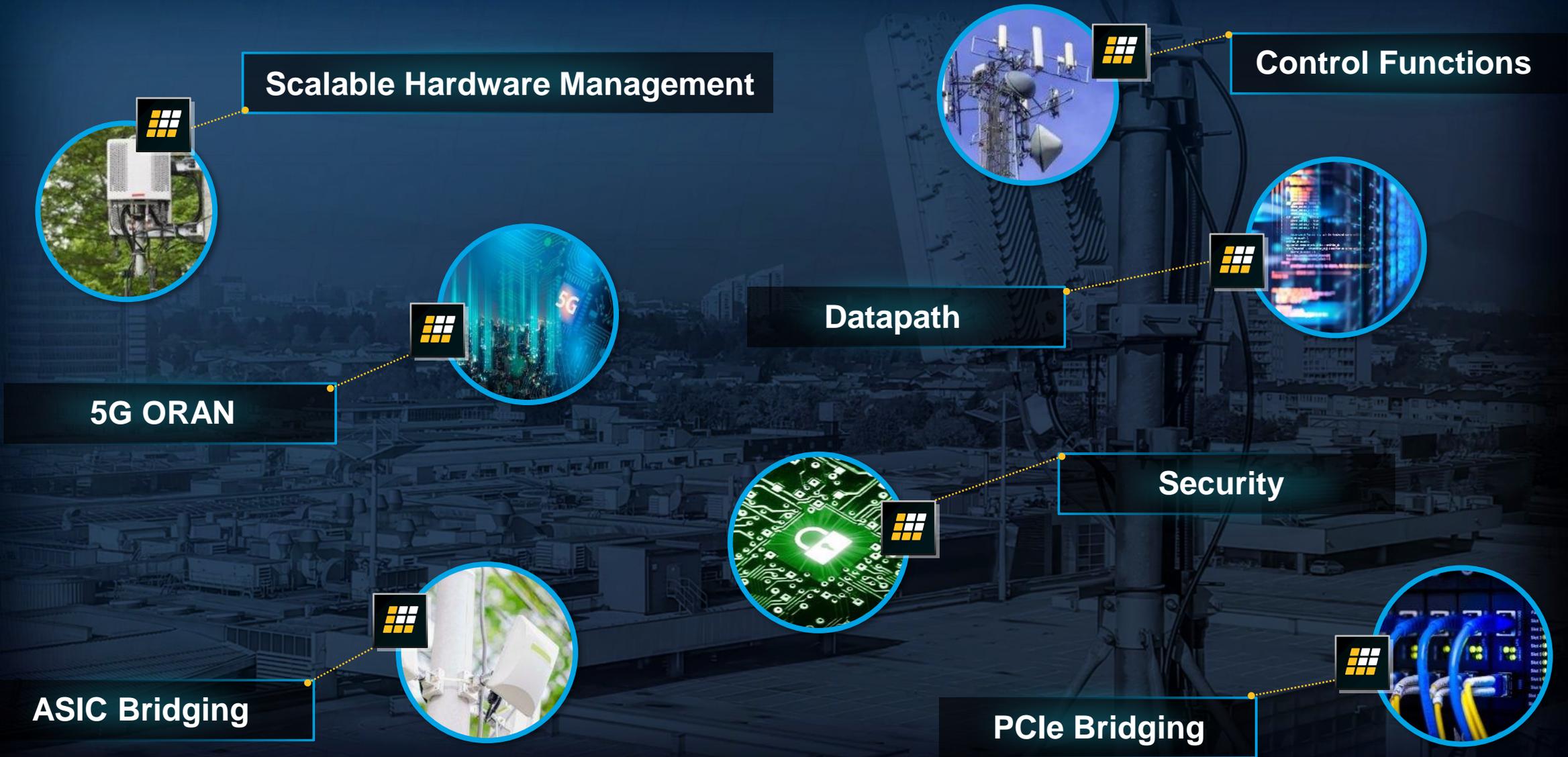
RAPID PRODUCT PORTFOLIO EXPANSION

SOFTWARE SOLUTIONS

LATTICE sensAI™ · LATTICE mVision™ · LATTICE Sentry™ · LATTICE Automate™ · LATTICE ORAN™ · LATTICE Drive™

LATTICE DIAMOND DESIGN SOFTWARE · LATTICE PROPEL™ · LATTICE RADIANT™ DESIGN SOFTWARE · Glance by MIRAMETRIX

IN DEVELOPMENT

MID-RANGE FPGAs

Avant-E · Avant-G · Avant-X · Avant #4 · Avant #5 · Avant #6

IN DEVELOPMENT

SMALL FPGAs

CrossLink-NX · Certus-NX · Mach-NX · CertusPro-NX · MachXO5-NX · MachXO5T-NX · CrossLinkU-NX · MachXO5D-NX · Nexus #9

IN DEVELOPMENT

Note: Subject to change.

LATTICE SEMICONDUCTOR

Agenda

1 **Company Overview**

2 **Products & Solutions**

3 **End Markets & Applications**

4 **Financials**

LATTICE SEMICONDUCTOR

Positioned in Growing Markets

COMMUNICATIONS	COMPUTING	INDUSTRIAL	AUTOMOTIVE	CONSUMER
5G Wireless	Servers	Industrial IoT	ADAS	Smart Home
Switches/Routers	Client	Factory Automation	Infotainment	On-the-Go

Leading the Industry in Low Power Programmability

LATTICE
SEMICONDUCTOR

Lattice Solves Communications Challenges

Scalable Hardware Management

Control Functions

Datapath

5G ORAN

Security

ASIC Bridging

PCIe Bridging

LATTICE
SEMICONDUCTOR

Lattice Solves Client Computing Challenges

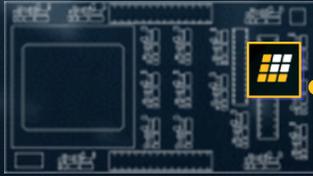Computer Vision AI

Image Quality Improvement

Enhanced Security

System Optimization

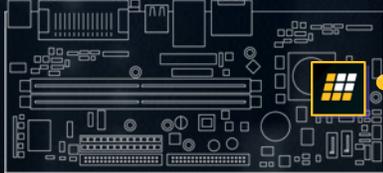**Client Computing is a Greenfield Opportunity for Lattice**

LATTICE
SEMICONDUCTOR

Lattice Solves Datacenter Challenges

HARDWARE ACCELERATION

Offload
Attestation
Reporting

SECURE CONTROL MODULE

BMC
PROT / PFR
Attestation

MOTHERBOARD
(CPU Agnostic)

STORAGE CARD

Key Mgmt
Hot Swap
Hot Plug
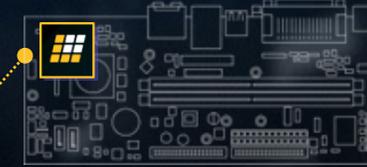
NETWORK CARD
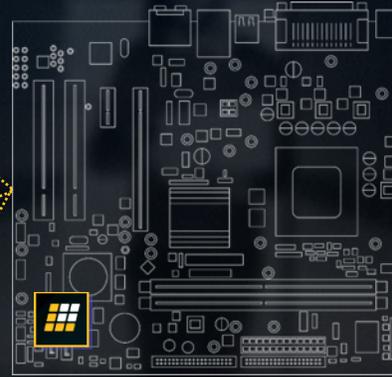
Power Control
Reporting
Offload

Bridging
I/O Expansion
Board Control
Power Sequence
Signal Aggregation
Glue Logic
Fan Control
Re-Timer

GPU CARD

Power Control
Reporting
Throttling
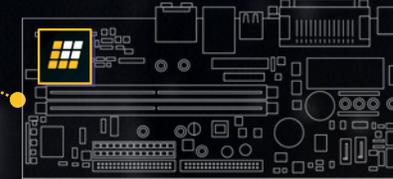
ADD-IN CARDS

Control
Bridging
Aggregation

LATTICE SEMICONDUCTOR
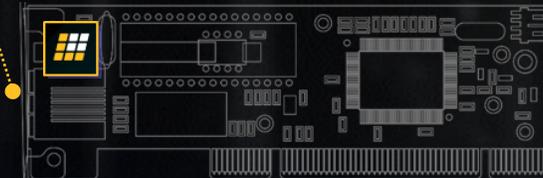
Lattice Solves Industrial Challenges

Industrial Networking

Functional Safety

Edge Computing

Touchless Control

Programmable Logic Controller

Machine Vision

Predictive Maintenance

Object Identification

Sensor Bridging

Collision Avoidance

Motor Control

LATTICE
SEMICONDUCTOR
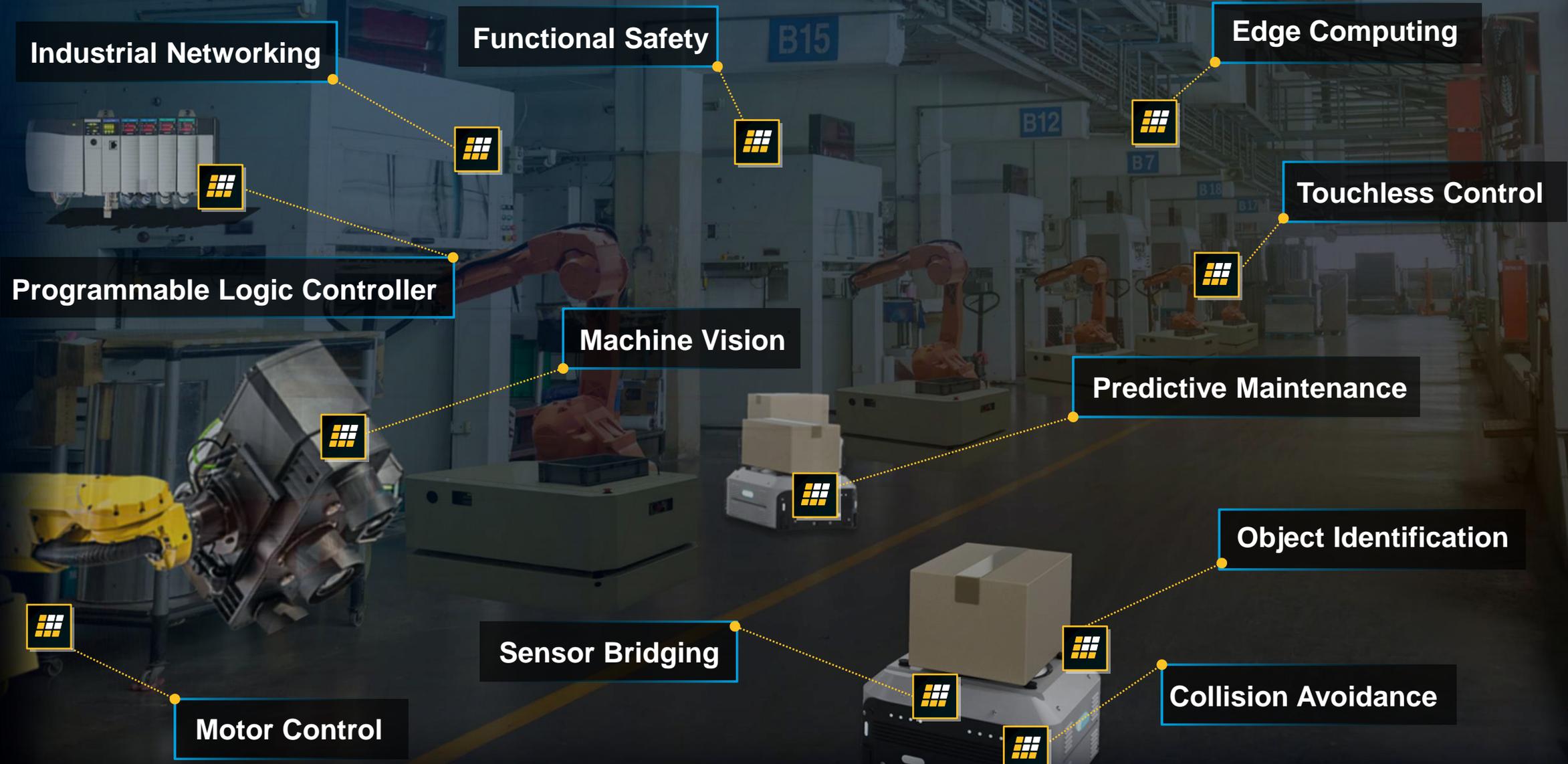
Lattice Solves Automotive Challenges

INFOTAINMENT
- De-Fog
- 360° Surround View
- Display Bridging
- ISP

IN-CABIN AI
- Human Presence Detection
- Driver Monitoring

ADAS
- Radar Sensor Bridging & Aggregation
- Image Sensor Bridging & Aggregation

HYBRID/ELECTRIC
- Inverter / Charger

SECURITY
- Secure Battery Mgt.
- Secure Boot

LATTICE SEMICONDUCTOR
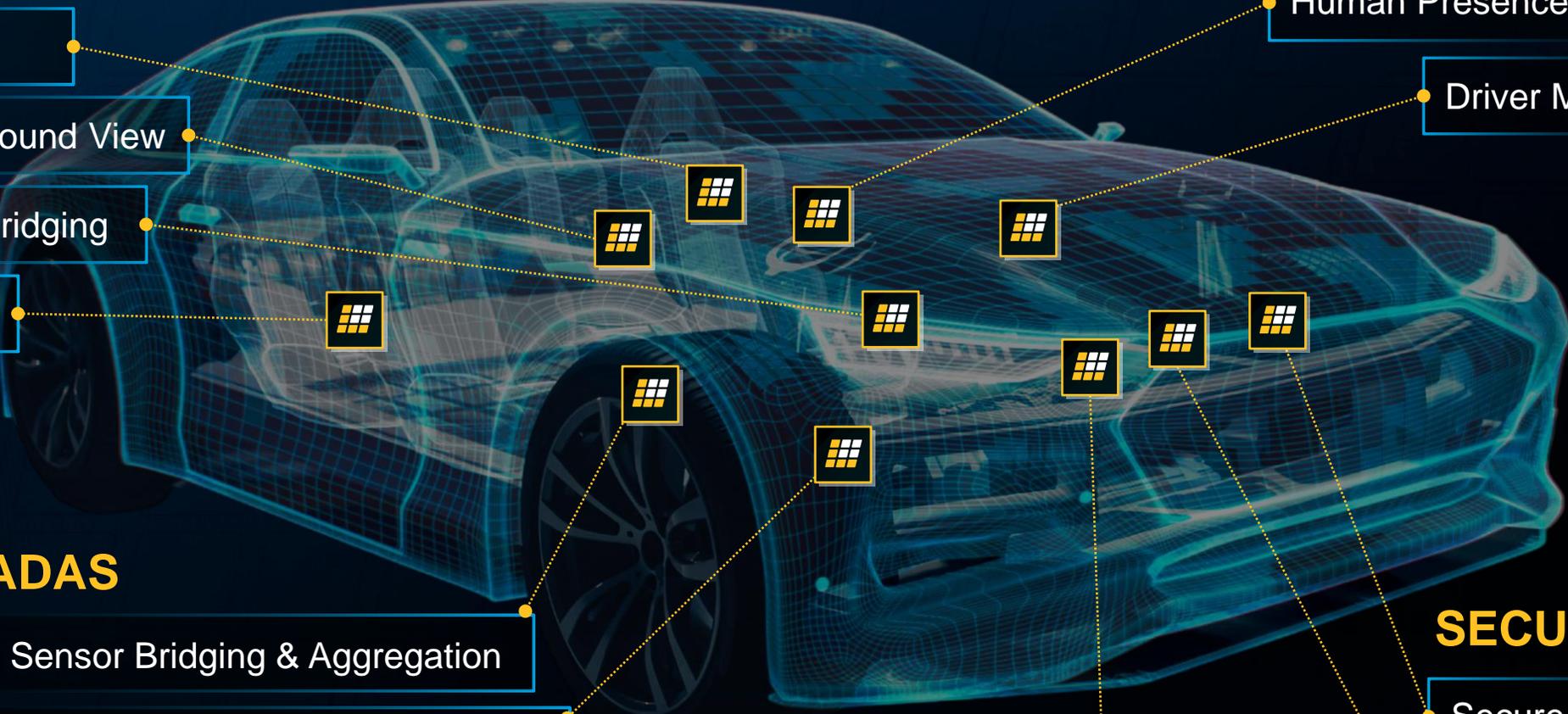
Lattice Solves Consumer Challenges

Drones

AR / VR

Smart Appliance

Smart Speaker

Consumer Robots

Video Surveillance

Wearable

Smart Doorbell

Smart Toys

LATTICE
SEMICONDUCTOR

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LATTICE SEMICONDUCTOR

Lattice Semiconductor Q2 2024 Earnings Results

REVENUE

$124.1M

Declined 12% QoQ & 35% YoY

GROSS MARGIN

69%

Flat QoQ & Down 150 bps YoY

EARNINGS PER SHARE

$0.23

Vs $0.29 in Q1 2024

" Second quarter 2024 results reflect the impact of cyclic industry headwinds. While the industry continues to go through a period of inventory normalization, we are starting to see signs of improvement. We continue to execute on our ongoing product portfolio expansion and remain well positioned for long-term growth. "

Esam Elashmawi, Interim CEO & Chief Strategy and Marketing Officer

End Market Overview

Q2'24 REVENUE BY SEGMENT (%)

CONSUMER 9%

INDUSTRIAL & AUTOMOTIVE 47%
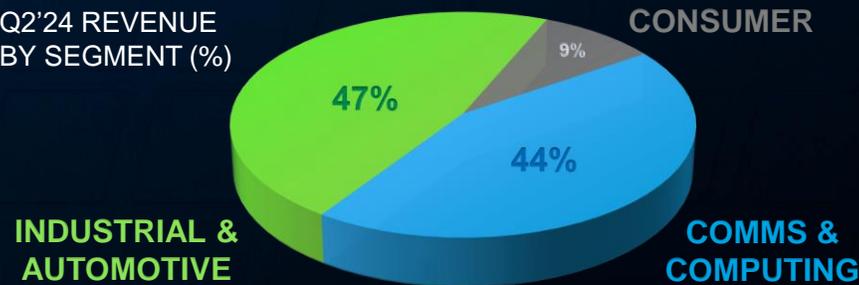
COMMS & COMPUTING 44%

| COMMS & COMPUTING | -15% YoY | 0% QoQ |
| INDUSTRIAL & AUTOMOTIVE | -50% YoY | -23% QoQ |

Recent Product & Corporate Momentum

Expanded small FPGA portfolio leadership with two new Certus-NX devices
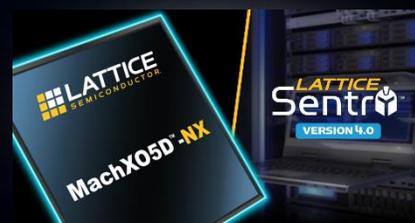
Launched security-focused MachXO5D-NX FPGA family and latest Sentry solution stack

Announced Lattice Developers Conference 2024 hybrid event on Dec. 10-11, 2024

Received industry awards for product leadership and corporate sustainability

Non-GAAP based on earnings reported July 29, 2024

LATTICE SEMICONDUCTOR

Q2 2024 Financial Results

REVENUE ($M)

2Q20: 100.6, 3Q20: 103.0, 4Q20: 107.2, 1Q21: 115.7, 2Q21: 125.9, 3Q21: 131.9, 4Q21: 141.8, 1Q22: 150.5, 2Q22: 161.4, 3Q22: 172.5, 4Q22: 176.0, 1Q23: 184.3, 2Q23: 190.1, 3Q23: 192.2, 4Q23: 170.6, 1Q24: 140.8, 2Q24: 124.1

-12% Revenue QoQ

GROSS MARGIN (%)

2Q20: 61.3%, 3Q20: 61.5%, 4Q20: 61.6%, 1Q21: 61.7%, 2Q21: 62.1%, 3Q21: 63.6%, 4Q21: 65.1%, 1Q22: 67.7%, 2Q22: 69.1%, 3Q22: 69.5%, 4Q22: 70.0%, 1Q23: 70.3%, 2Q23: 70.5%, 3Q23: 70.6%, 4Q23: 70.4%, 1Q24: 69.0%, 2Q24: 69.0%

Flat Gross Margin QoQ

OPERATING PROFIT ($M)

2Q20: 25.0, 3Q20: 27.3, 4Q20: 28.5, 1Q21: 32.4, 2Q21: 36.7, 3Q21: 40.1, 4Q21: 46.6, 1Q22: 54.6, 2Q22: 61.6, 3Q22: 68.5, 4Q22: 70.7, 1Q23: 75.6, 2Q23: 76.0, 3Q23: 77.4, 4Q23: 64.6, 1Q24: 42.2, 2Q24: 31.5

-25% Operating Profit QoQ

EARNINGS PER SHARE ($)

2Q20: 0.17, 3Q20: 0.19, 4Q20: 0.19, 1Q21: 0.22, 2Q21: 0.25, 3Q21: 0.28, 4Q21: 0.32, 1Q22: 0.37, 2Q22: 0.42, 3Q22: 0.48, 4Q22: 0.49, 1Q23: 0.51, 2Q23: 0.52, 3Q23: 0.53, 4Q23: 0.45, 1Q24: 0.29, 2Q24: 0.23

-22% EPS QoQ

Non-GAAP based on earnings reported July 29, 2024

LATTICE SEMICONDUCTOR

Strong YoY Financial Execution

REVENUE

Legend: Consumer ▪ Industrial & Auto ▪ Comms & Computing

Arrows between years: 26.3%, 28.1%, 11.6%

Years: 2020, 2021, 2022, 2023
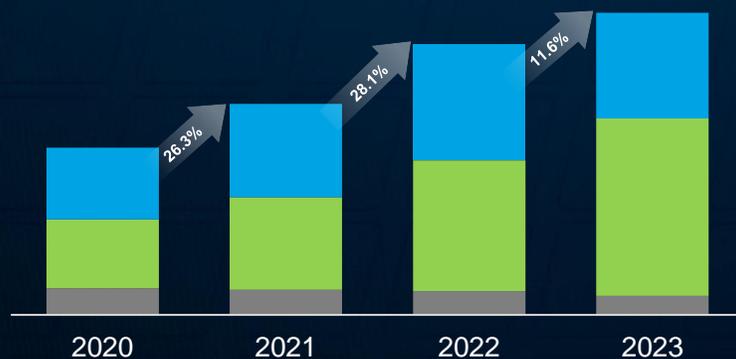
Growth in Core Strategic Markets

GROSS MARGIN*

2020	2021	2022	2023
61.0%	63.2%	69.1%	70.4%

(Y-axis starts at 50%)
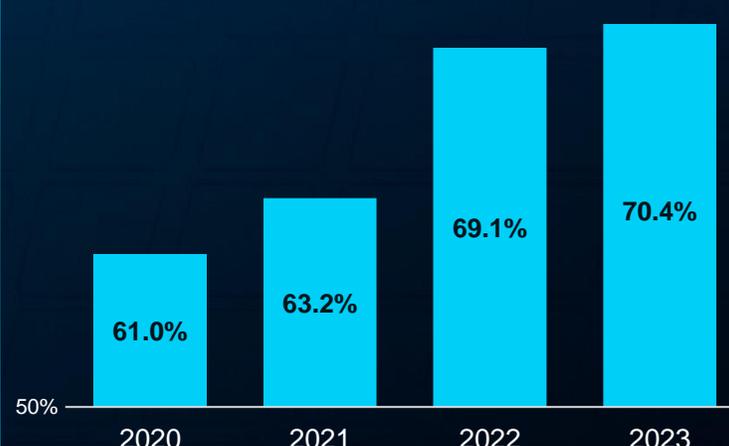
Gross Margin Expansion

OPEX*

Legend: ▪ SG&A ▪ R&D

	2020	2021	2022	2023
R&D	19.2%	18.4%	17.4%	17.8%
SG&A	16.6%	14.6%	13.0%	12.8%

OpEx Discipline

OPERATING INCOME*

2020	2021	2022	2023
25.2%	30.2%	38.7%	39.8%
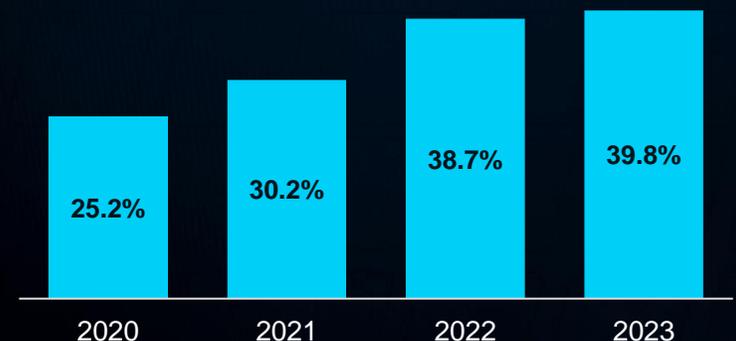
Record Operating Income

EARNINGS PER SHARE*

2020	2021	2022	2023
$0.70	$1.06	$1.76	$2.01

EPS Expansion

NET CASH

$ Millions

2020	2021	2022	2023
$11.6	($26.4)	$17.0	$128.3

Positive Net Cash Position

* Percentages based on non-GAAP basis. See appendix in FY'23 earnings report from Feb. 12, 2024, for reconciliation to most comparable GAAP measure.

LATTICE SEMICONDUCTOR