



The Low Power Programmable Leader

Corporate Overview

November 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 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 Q3'24 earnings reports for reconciliation to most comparable GAAP measure.

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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

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



GROWING CUSTOMER BASE



GLOBAL SUPPORT



Lattice Executive Leadership Team



Ford Tamer
CEO



Pravin Desale
Research & Development



Esam Elashmawi
CSMO



Tracy Feanny
General Counsel



Terese Kemble
Human Resources



Mark Nelson
Sales



Divyesh Shah
Operations & Quality



Tonya Stevens
Interim CFO and
CVP, Corporate Controller

Holding Ourselves to the Highest Corporate Stewardship Standards

CULTURE OF INNOVATION



ENVIRONMENTALLY CONSCIOUS



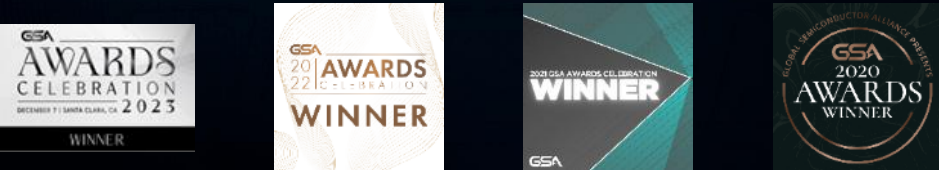
INCLUSION & SOCIAL WELLBEING



TRANSPARENCY & INTEGRITY



GSA MOST RESPECTED PUBLIC COMPANY FOUR YEARS IN A ROW



STRONG & GROWING RECOGNITION FOR CLEANTECH PRODUCT INNOVATION



Agenda

1

Company Overview

2

Products & Solutions

3

End Markets & Applications

4

Financials

Lattice Value Proposition

Smallest
SIZE



Lowest
POWER



Highest
SECURITY



RELIABLE
by Design



EASE
of Use



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 over 100k SLCs



LATTICE AVANT™

Architected for applications requiring up to 25G SERDES and over 600k SLCs



**LOWER
POWER**



**FASTER
PERFORMANCE**



**SMALLER
SIZE**

Software Solution Stack Portfolio



LATTICE sensAI™

Low Power Edge AI

High Performance Inference 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 Sentri™

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

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



Agenda

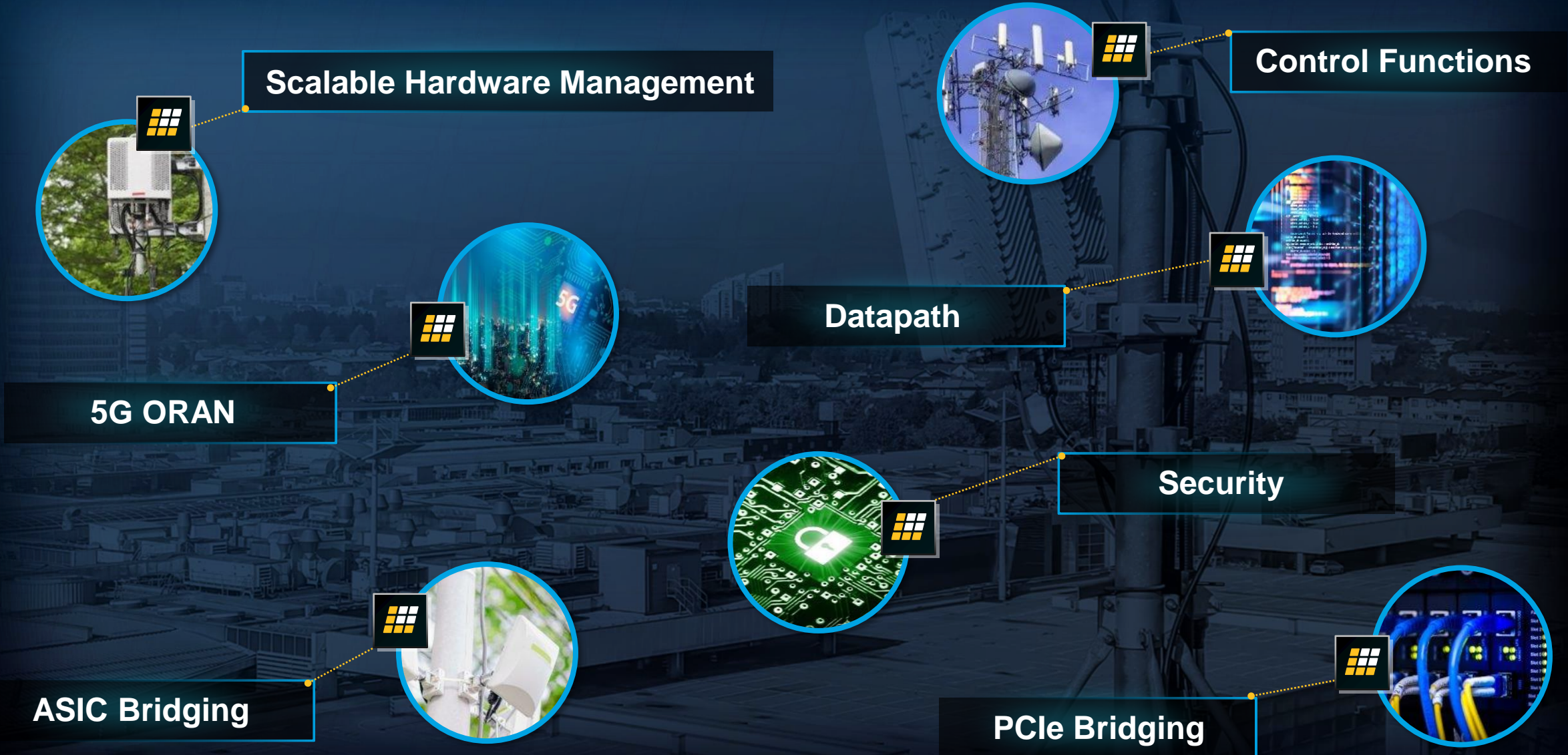
- 1 Company Overview
- 2 Products & Solutions
- 3 End Markets & Applications**
- 4 Financials

Positioned in Growing Markets

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

Leading the Industry in Low Power Programmability

Lattice Solves Communications Challenges



Lattice Solves Client Computing Challenges

Computer Vision AI

Image Quality Improvement

Enhanced Security

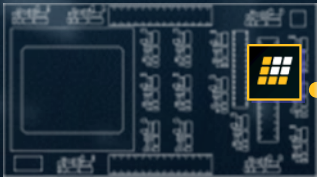
System Optimization

Client Computing is a Greenfield Opportunity for Lattice

Lattice Solves Datacenter Challenges

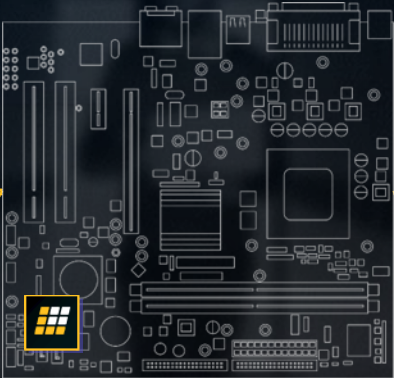
HARDWARE ACCELERATION

Offload
Attestation
Reporting



MOTHERBOARD

(CPU Agnostic)



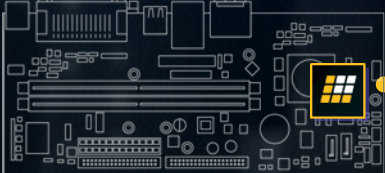
SECURE CONTROL MODULE

BMC
PROT / PFR
Attestation



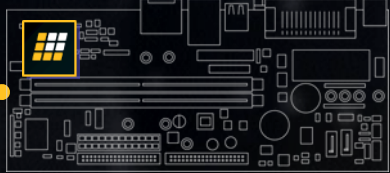
STORAGE CARD

Key Mgmt
Hot Swap
Hot Plug



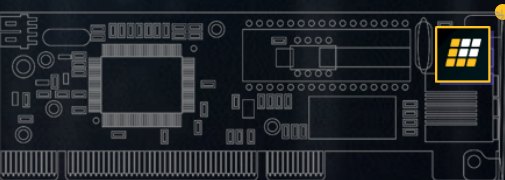
NETWORK CARD

Power Control
Reporting
Offload



GPU CARD

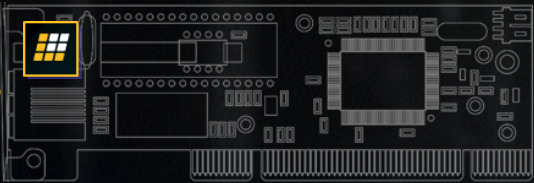
Power Control
Reporting
Throttling



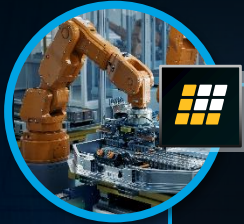
Bridging
I/O Expansion
Board Control
Power Sequence
Signal Aggregation
Glue Logic
Fan Control
Re-Timer

ADD-IN CARDS

Control
Bridging
Aggregation



Lattice Solves Industrial Challenges



Smart Factory

- Collision Avoidance
- Edge Computing
- Functional Safety
- Industrial Networking
- Machine Vision
- Motor Control
- Predictive Maintenance
- Programmable Logic Control
- Object Identification
- Sensor Fusion
- Robotics



Test & Measurement

- High-Speed Data Acquisition
- Signal Processing
- Emulation and Validation
- Pattern Generation and Analysis
- Timing Analysis
- Error Detection and Correction
- Jitter and Noise Measurement
- Power Analysis
- Temperature and Stress Testing
- Portables and Handhelds



Medical

- Digital Endoscopy Systems
- MRI and CT Image Processing
- Ultrasound Signal Processing
- Electrocardiogram Signal Processing
- X-ray Processing
- Blood Analysis Equipment
- Health Monitors
- Robotic Surgery Assistants
- Secure Medical Data Processing
- Patient Monitoring Systems



Aerospace & Defense

- Radar Signal Processing
- Avionics Control Systems
- Digital Beamforming
- Satellite Communications
- GPS and Navigation Systems
- Infrared and Optical Image Processing
- Ruggedized Systems for Harsh Environments
- Secure Communications



Broadcast / ProAV

- Video Encoding/Decoding
- Live Video Streaming
- High-Resolution Video Processing
- Video Scaling and De-interlacing
- Color Correction and Enhancement
- Image Stabilization
- Audio Processing and Mixing
- Multi-Protocol Bridging
- Real-Time Graphics Overlays
- Low-Latency Switching

Lattice Solves Automotive Challenges

INFOTAINMENT

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

IN-CABIN AI

- Human Presence Detection
- Driver Monitoring

ADAS

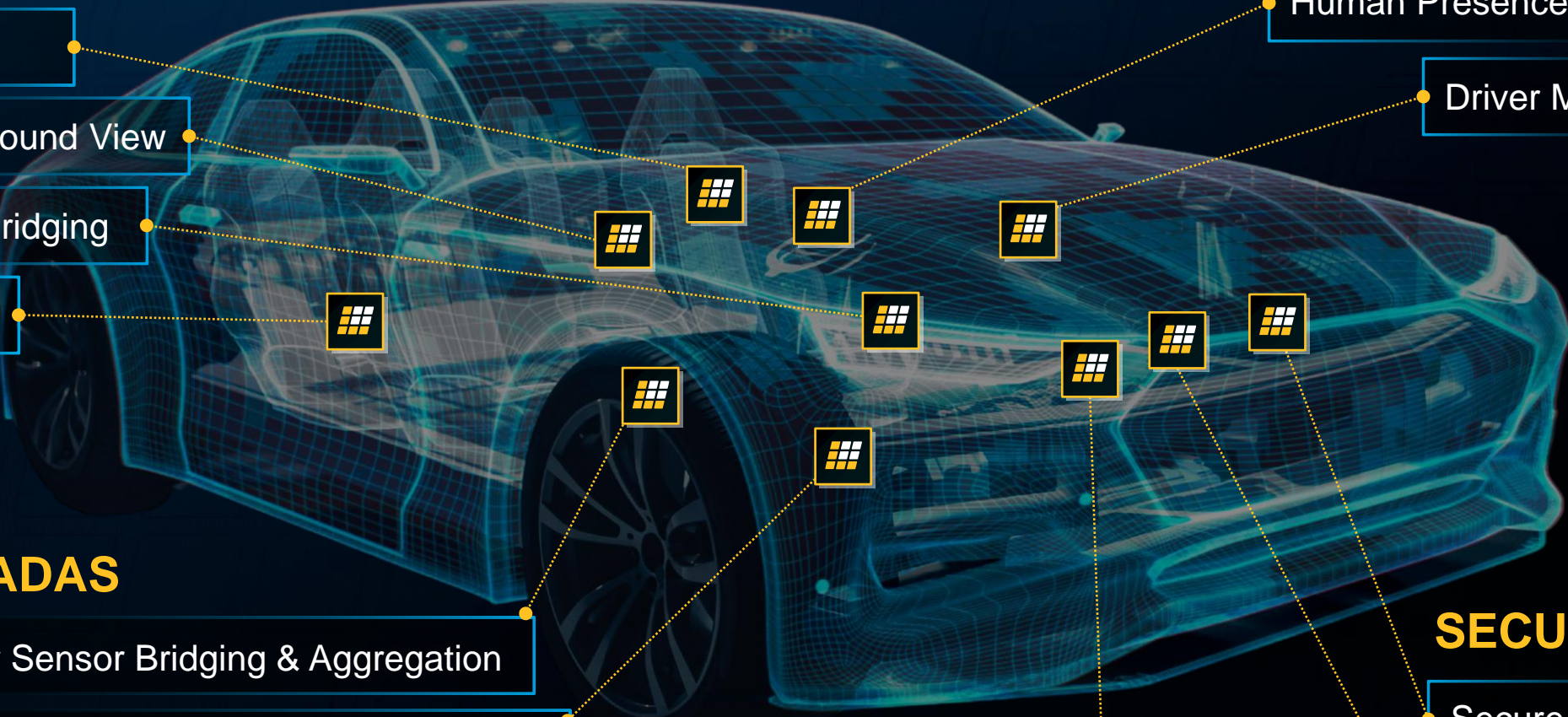
- Radar Sensor Bridging & Aggregation
- Image Sensor Bridging & Aggregation

HYBRID/ELECTRIC

- Inverter / Charger

SECURITY

- Secure Battery Mgt.
- Secure Boot



Lattice Solves Consumer Challenges

Drones



AR / VR



Smart Speaker



Smart Appliance



Consumer Robots



Video Surveillance



Wearable



Smart Doorbell



Smart Toys



Lattice Drives AI Innovation

Gen AI Servers

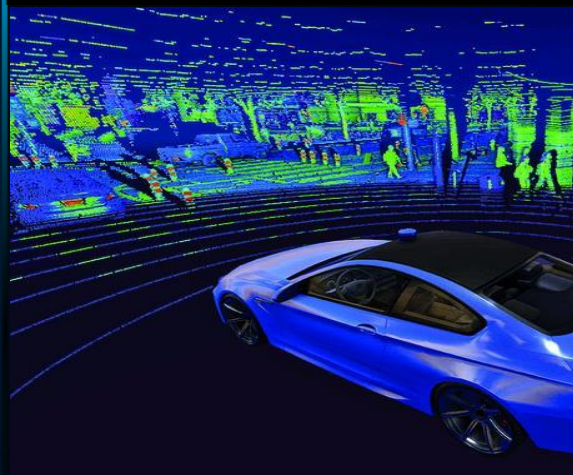


Leading Control and Security in AI Servers

Up to >50 FPGAs per server rack

Deployed at majority of Hyperscalers and OEM/ODMs

Sensor Proliferation



Data Fusion and Optimized Streaming

Partnership with Nvidia to simplify sensor connectivity

Diverse sensor connectivity in autonomous systems

Intelligent Edge



Low Power Vision Processing

40M+ devices shipped with advanced computer vision experiences

Shipping at top Client OEMs

Enabling AI from hybrid cloud to the intelligent edge with low power FPGAs and software

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- 1 Company Overview
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Lattice Semiconductor Q3 2024 Earnings Results

REVENUE

\$127.1M

Up 2% QoQ & Down 34% YoY

GROSS MARGIN

69%

Flat QoQ & Down 160 bps YoY

EARNINGS PER SHARE

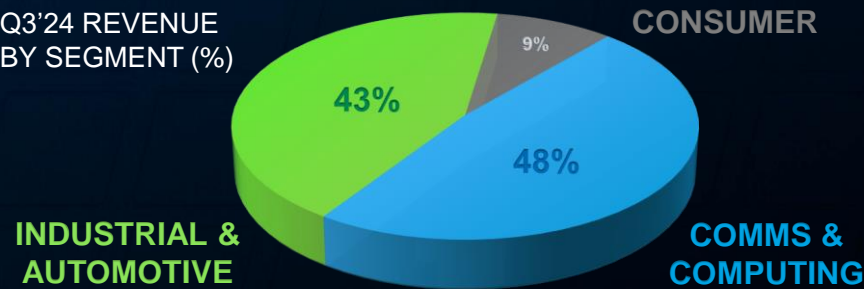
\$0.24

Vs \$0.23 in Q2 2024

“Through my meetings with employees, customers, and partners, since joining Lattice, I’m even more convinced that we are in an excellent position to expand market share over the long-term. Third quarter 2024 results were inline with the Company’s prior expectations, which reflects the disciplined execution of our strategy and a continued focus on operational efficiency. After careful consideration, we proactively took action in the third quarter to better align our resources to the current business level, while maintaining the stability and integrity of our leadership product roadmap, customer support and demand creation infrastructure. Importantly, we do not expect any additional reductions will be needed. While we expect continued near-term industry headwinds, I am excited about the opportunity to build on Lattice’s strong foundation.” Ford Tamer, CEO

End Market Overview

Q3'24 REVENUE BY SEGMENT (%)



COMMS & COMPUTING

↓ -11% YoY | ↑ 12% QoQ

INDUSTRIAL & AUTOMOTIVE

↓ -51% YoY | ↓ -7% QoQ

Recent Product & Corporate Momentum

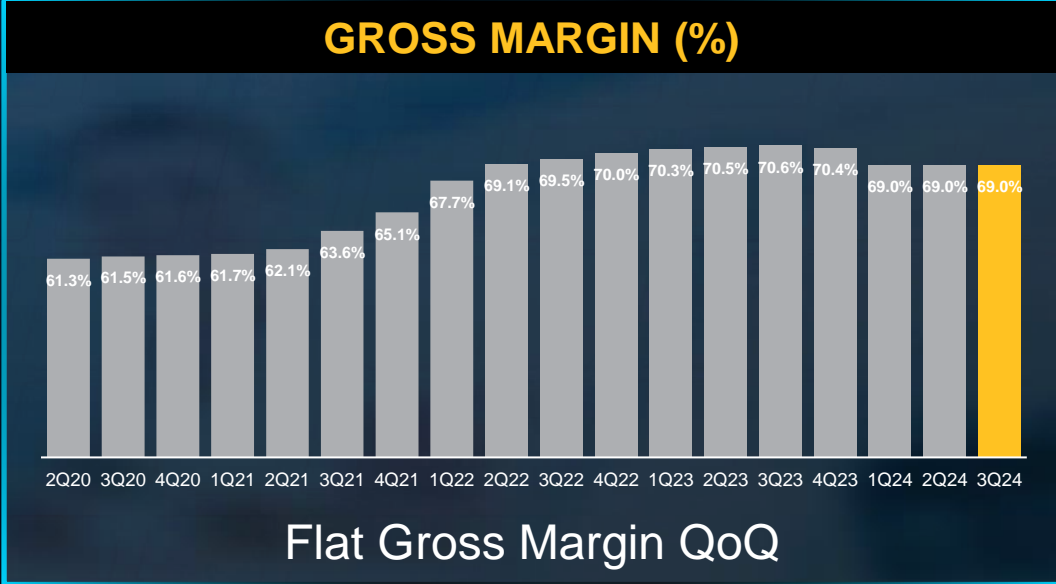
Announced the appointment of Ford Tamer as CEO and to the company’s Board of Directors

Lattice’s hardware and software solution powers AI computer vision in new Dell XPS AI PC

Expanded small FPGA portfolio with two new Certus-NX capacities, and multiple package options

Announced Guest Speaker Lineup for Lattice Developers Conference 2024 event on Dec. 10-11, 2024

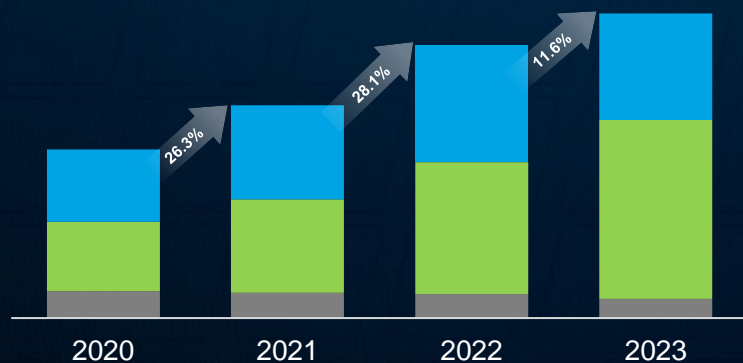
Q3 2024 Financial Results



Strong YoY Financial Execution

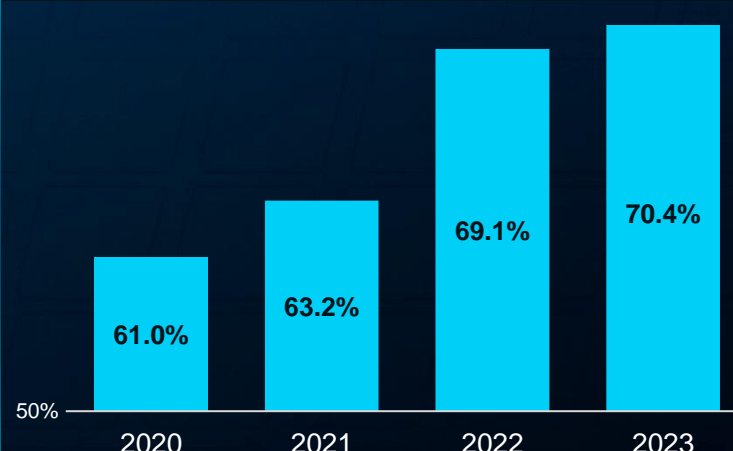
REVENUE

■ Consumer ■ Industrial & Auto ■ Comms & Computing



Growth in Core Strategic Markets

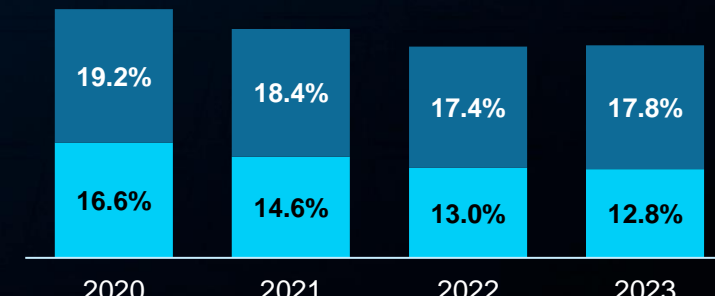
GROSS MARGIN*



Gross Margin Expansion

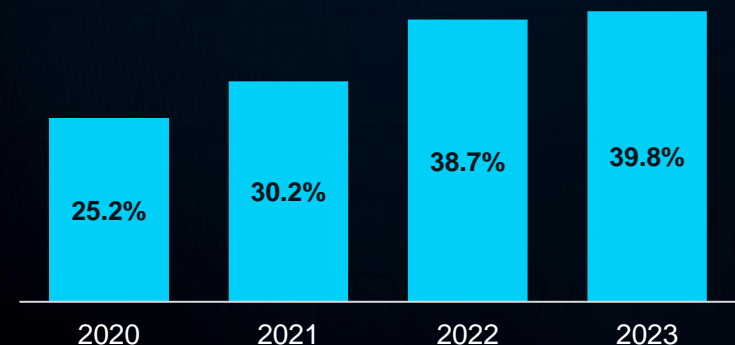
OPEX*

■ SG&A ■ R&D



OpEx Discipline

OPERATING INCOME*



Record Operating Income

EARNINGS PER SHARE*



EPS Expansion

NET CASH

\$ Millions



Positive Net Cash Position



The Low Power Programmable Leader