



The Low Power Programmable Leader

Corporate Overview

February 2025

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, adjusted EBITDA, adjusted EBITDA margin, 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 Q4'24 earnings reports for reconciliation to most comparable GAAP measure.

Trademarks – General Notice

Lattice Semiconductor Corporation, Lattice Semiconductor (& design) and specific product designations are either registered trademarks or trademarks of Lattice Semiconductor Corporation or its subsidiaries in the United States and/or other countries.

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

45%



INDUSTRIAL & AUTOMOTIVE

46%



CONSUMER

9%

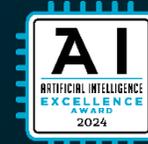
WORLD CLASS SUPPLIER

#1

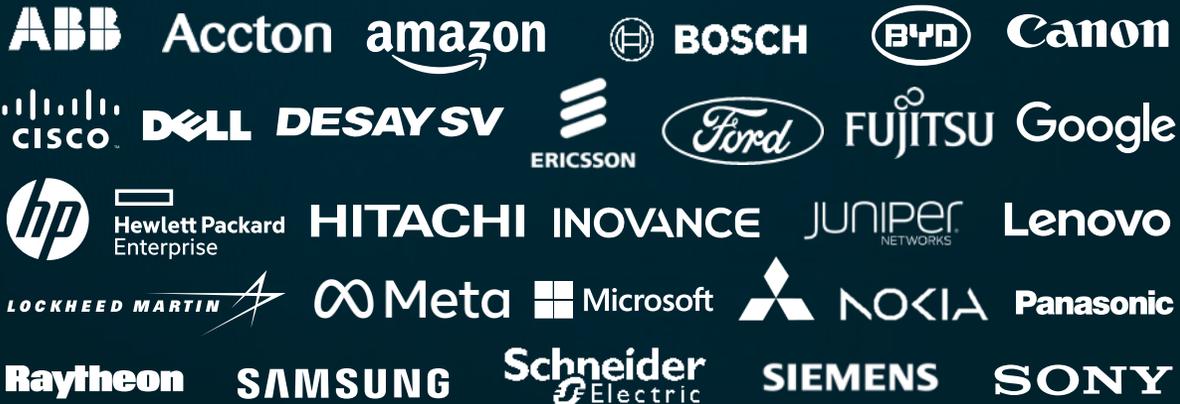
World's largest volume supplier of FPGA

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



Lorenzo Flores
CFO



Divyesh Shah
Operations & Quality



Erhaan Shaikh
Sales



Nicole Singer
Human Resources

Holding Ourselves to the Highest Corporate Stewardship Standards

CULTURE OF INNOVATION



ENVIRONMENTALLY CONSCIOUS



INCLUSION & SOCIAL WELLBEING



TRANSPARENCY & INTEGRITY



GSA MOST RESPECTED PUBLIC COMPANY FIVE 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



The Low Power Programmable Leader

Lowest
POWER

A yellow lightning bolt icon inside a circle, representing power.

Smallest
SIZE

A yellow microscope icon inside a circle, representing size.

EASE
of Use

A yellow hand cursor icon inside a circle, representing 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 2



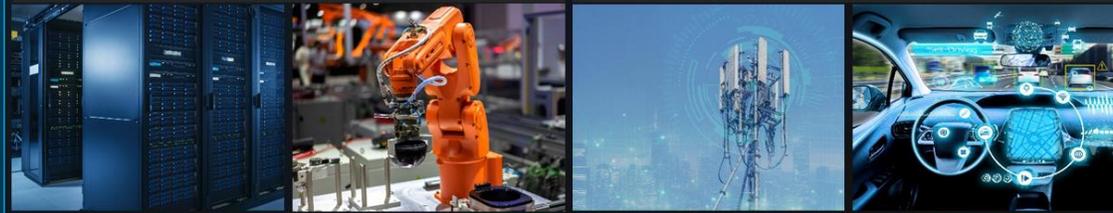
Certus™-N2

LAUNCHED DEC. 2024

ADVANCED GENERAL PURPOSE SMALL FPGAs

SYSTEM EXPANDABILITY

SECURE BRIDGING



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

FPGA PLATFORM LEADERSHIP



Architected for applications requiring up to 16G SERDES and up to 100k LCs



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



**LOWER
POWER**



**FASTER
PERFORMANCE**



**SMALLER
SIZE**

Software Solution Stack Portfolio

LATTICE
sensaAI™



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
Sentro™



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

SOFTWARE SOLUTIONS



IN DEVELOPMENT

MID-RANGE FPGAs



IN DEVELOPMENT

SMALL FPGAs



IN DEVELOPMENT

IN PLANNING



IN DEVELOPMENT

Agenda

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

Innovation Leadership From Edge to Cloud

DATACENTER



Top 10 Server & Storage Providers

COMMUNICATIONS



10 Leading Comms OEMs

INDUSTRIAL



Top 10 Factory Automation Leaders

AUTOMOTIVE



10 Leading Auto OEMs

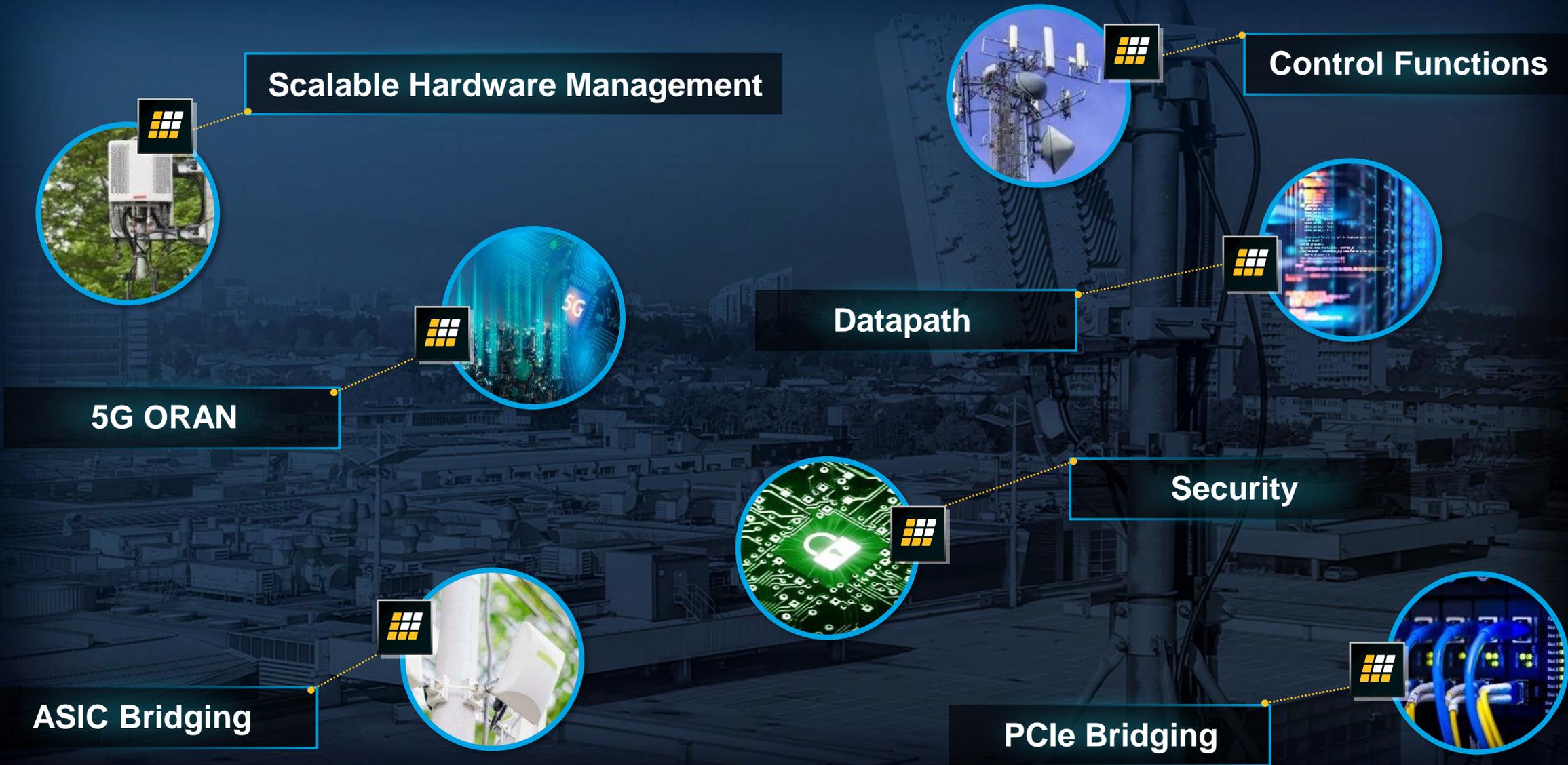
CLIENT



Top 5 PC OEMs - >50MU Shipped

Lattice is the #1 Supplier for Small FPGAs Worldwide

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

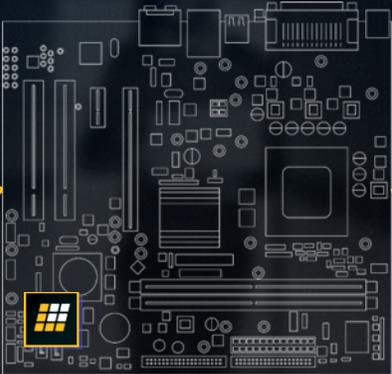
HARDWARE ACCELERATION

Offload
Attestation
Reporting



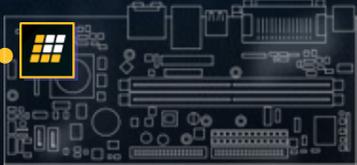
MOTHERBOARD

(CPU Agnostic)



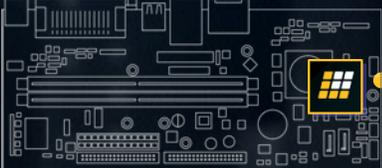
SECURE CONTROL MODULE

BMC
PROT / PFR
Attestation



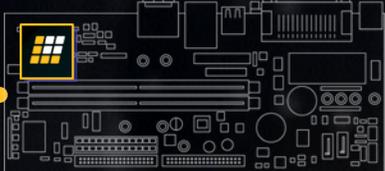
STORAGE CARD

Key Mgmt
Hot Swap
Hot Plug



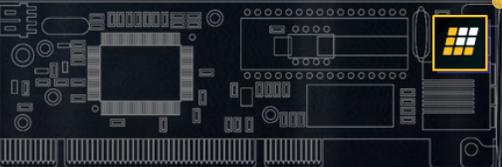
NETWORK CARD

Power Control
Reporting
Offload



GPU CARD

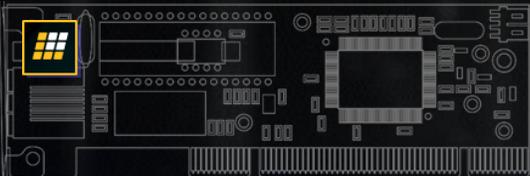
Power Control
Reporting
Throttling



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

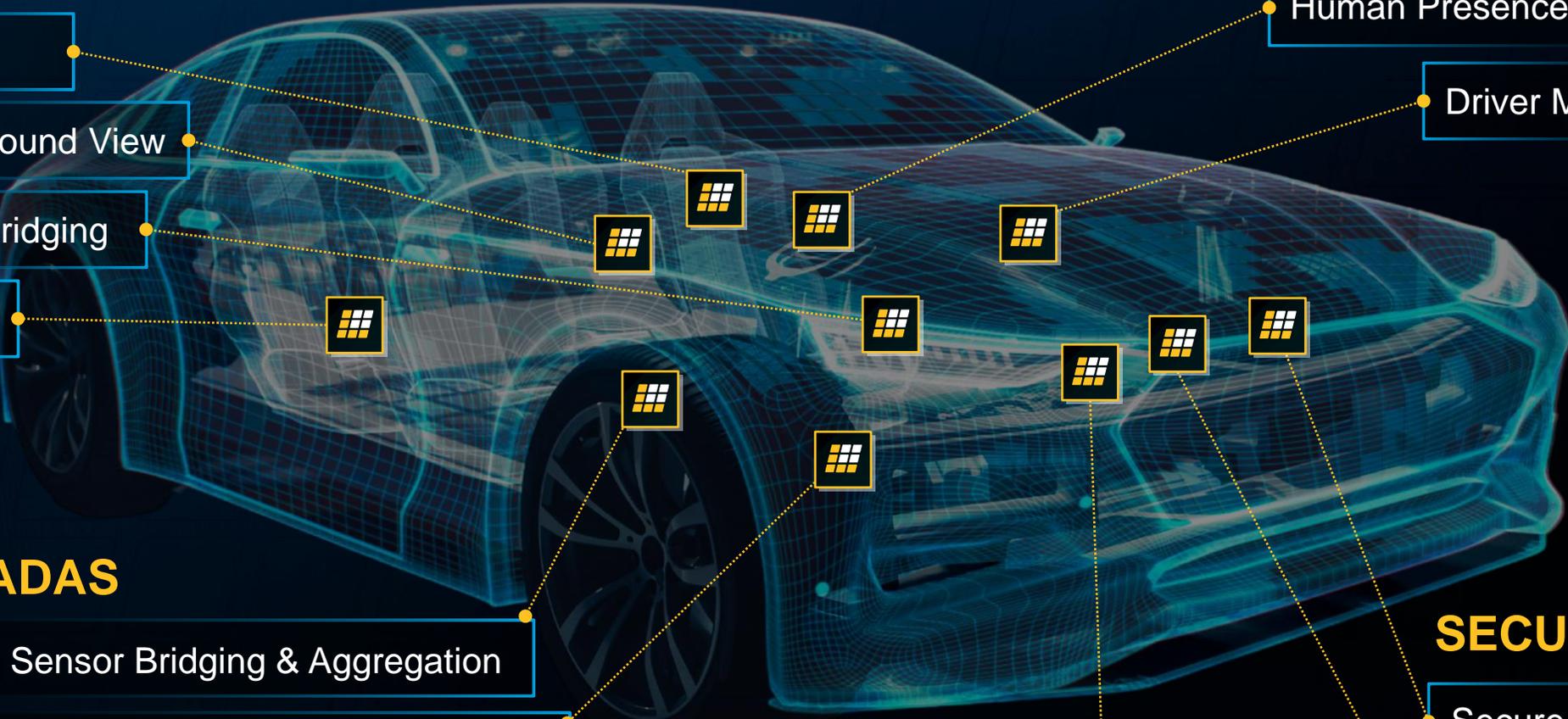
- Radar Sensor Bridging & Aggregation
- Image Sensor Bridging & Aggregation

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

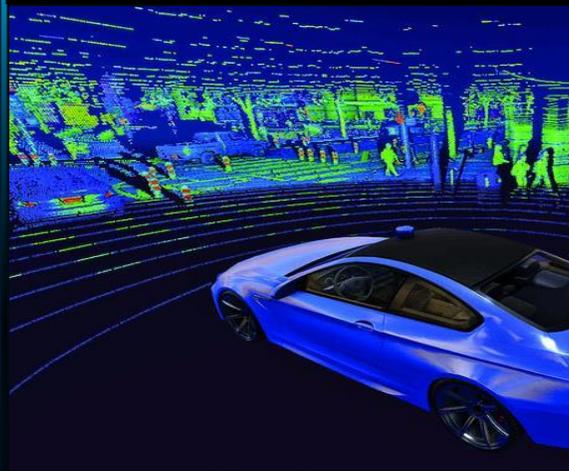


Leading Control and Security in AI Servers

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

Agenda

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

FY 2024 Earnings Results & Recent Highlights

REVENUE

\$509.4M

Double-digit new product revenue growth

GROSS MARGIN

67.4% / 68.7%*

FCF margin increased to 34% in Q4'24

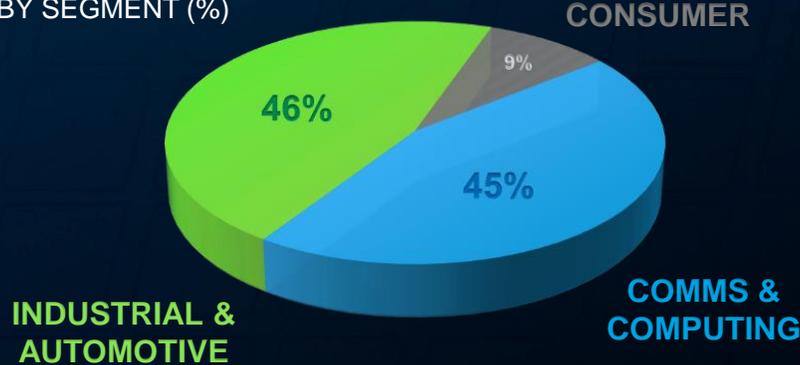
ADJUSTED EBITDA

31.8% / 33.2%*

Vs 44% in FY 2023

End Market Overview

FY'24 REVENUE BY SEGMENT (%)



Strong Developer Ecosystem



LATTICE SEMICONDUCTOR DEVELOPERS CONFERENCE 2024 THANK YOU



Hosted 2024 Lattice Developers Conference with 6000+ registrants worldwide and 90+ Lattice-based technology demonstrations

Small and Mid-range FPGA Leadership



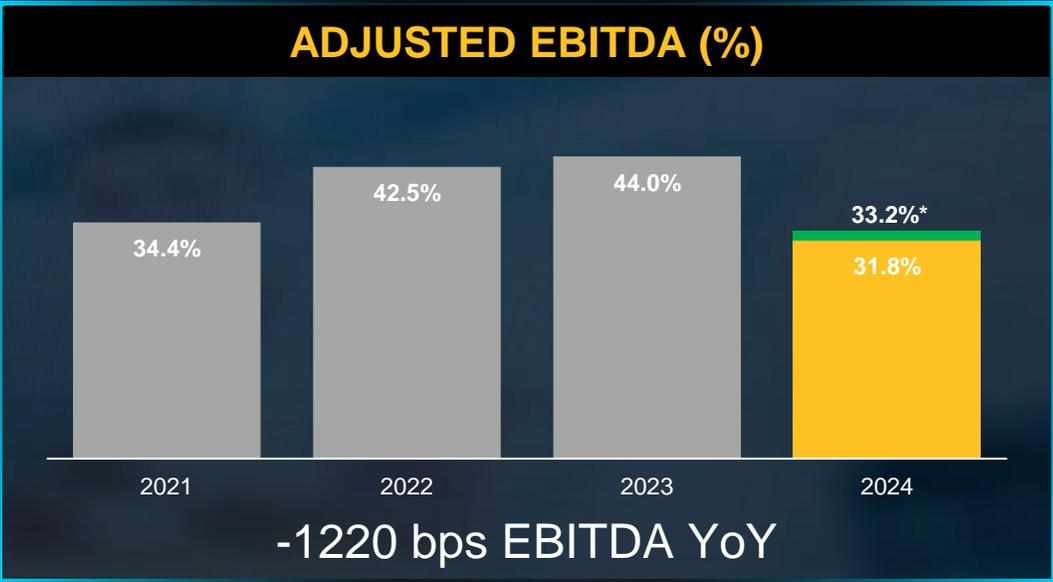
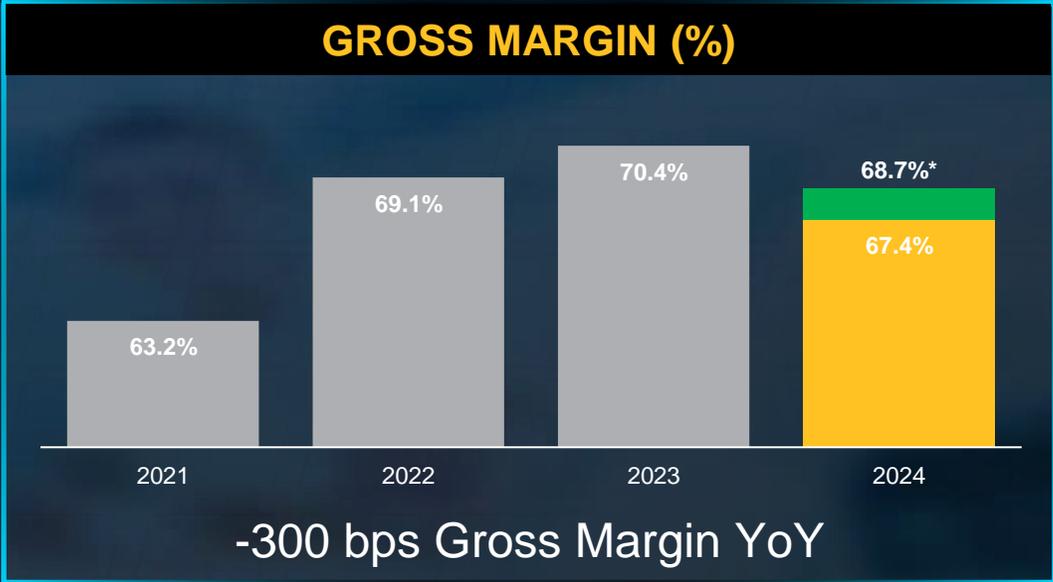
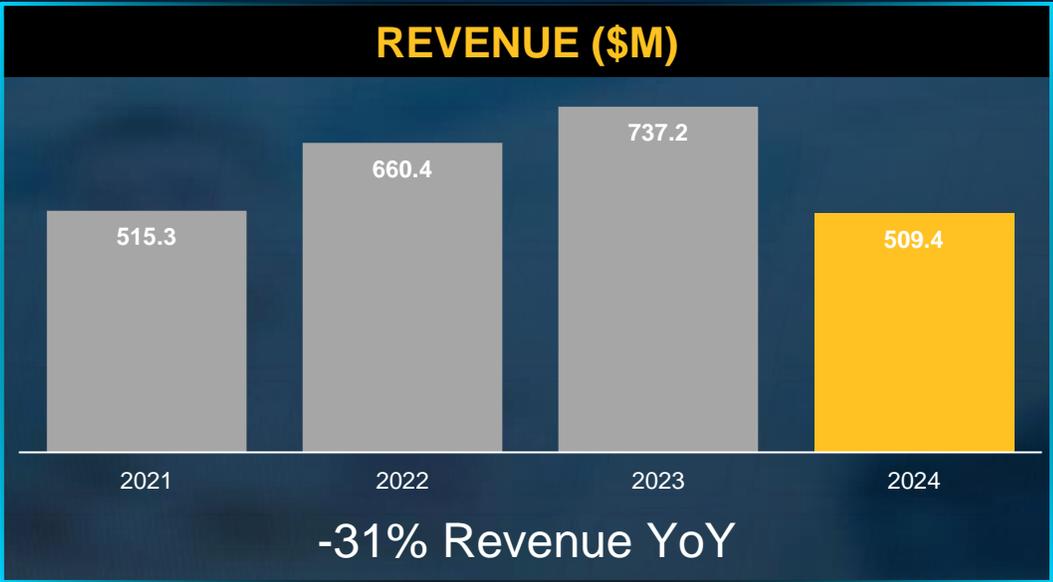
Launched Lattice Nexos 2 small FPGA platform, Lattice Certus-N2 FPGA family, new Avant devices, and enhanced solution stacks and software tools

Industry Recognition



Won 5th consecutive GSA Most Respected Semiconductor Company Award, in addition to 20+ product and corporate awards in 2024

FY 2024 Financial Overview





The Low Power Programmable Leader