Safe Harbor Statement

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that 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,” “potential,” “continue” 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, pricing and inflationary pressures, competitive actions, and international trade disputes and sanctions, the on-going Covid-19 pandemic and those risks more fully described in Item 1A in the Company’s Annual Report on Form 10-K for the fiscal year ended December 31, 2022, and as may be supplemented from time-to-time in Lattice’s other filings with the Securities and Exchange Commission, 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. 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.

Use of non-GAAP Financial Information

To supplement the Company’s financial statements presented on a GAAP basis, the company has provided non-GAAP financial information in this presentation, including non-GAAP gross margin, earnings per share, operating profit, 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 appendix in Q3’23 earnings reports for reconciliation to most comparable GAAP measure.
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: 48%
CONSUMER: 9%

APPLICATIONS & MARKETS percentages based on FY2022 revenue breakdown by reporting segment.

GROWING CUSTOMER BASE

Accon, Amazon, BOSCH, BYD, Canon, Cisco, Dell, Ericsson, Ford, Fujitsu, Google, HBC, HP, Hitachi, Juniper Networks, Lenovo, Microsoft, Nokia, Panasonic, Raytheon, Samsung, Schneider Electric, Siemens, Sony, ZTE

WORLD CLASS SUPPLIER

#1 World's largest volume supplier of FPGA
Tier 1 Supplier with 40 years of innovation

GROWING CUSTOMER BASE

GLOBAL SUPPORT

Applications & Markets percentages based on FY2022 revenue breakdown by reporting segment.
Lattice Executive Leadership Team

Jim Anderson  
CEO

Sherri Luther  
CFO

Pravin Desale  
Research & Development

Steve Douglass  
CTO

Esam Elashmawi  
CSMO

Tracy Feanny  
General Counsel

Terese Kemble  
Human Resources

Denis Lavallee  
Mirametrix

Mark Nelson  
Sales

Glenn O’Rourke  
Operations & Quality
Holding Ourselves to the Highest ESG 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

GSA MOST RESPECTED PUBLIC COMPANY THREE YEARS IN A ROW

TRANSPARENCY & INTEGRITY

Governance Principles | Ethical Standards | Continuous Improvement

STRONG & GROWING RECOGNITION FOR CLEANTECH PRODUCT INNOVATION

More information available here.
Lattice Value Proposition

- Smallest SIZE
- Lowest POWER
- Highest SECURITY
- EASE of Use
- RELIABLE by Design
Lattice FPGA Portfolio

PLATFORM

DEVELOPMENT

SOLVING KEY CHALLENGES AT THE EDGE
PROCESSING DATA
ARTIFICIAL INTELLIGENCE

LATTICE AVANT™

LATTICE NEXUS

CrossLink-NX
Certus-NX
Mach-NX
CertusPro-NX
MachXO5-NX
MachXO5T-NX
CrossLinkU-NX

Embedded Vision Processing
General Purpose Processing
Next Gen Hardware Security
Advanced General Purpose Processing
Enhanced System Monitor and Control
Advanced System Control
Embedded Vision Processing with USB
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

- **Low Power**
  - Edge AI
  - High Performance Inferencing Under 1W
  - Supports Industry Standard ML Frameworks
  - Complete Solution Enablement

- **Low Power**
  - Embedded Vision
  - Flexible Image Sensor Bridging & Aggregation
  - Image Processing Integration
  - Complete Solution Enablement

- **Cyber Resilient**
  - Root of Trust
  - Secure Hardware Creates Root-of-Trust for Systems
  - Cryptographically Secured Supply Chain
  - Protection Against Cloning, Counterfeiting, Trojan Insertion, & Simulation

- **Accelerating Factory**
  - Automation
  - Accelerates industrial automation development
  - Supports use cases like motor control, real-time networking, & predictive maintenance
  - Complete solution enablement

- **Enabling ORAN**
  - Deployment
  - Enables zero trust security and data protection in networks
  - Flexible, Tight Fronthaul Synchronization
  - Acceleration with Low Power

- **Adaptable**
  - Automotive Design
  - DisplayPort connectivity
  - Video scaling up to 4K
  - Local dimming for contrast enhancement
  - Bridging & networking
Leadership Computer Vision Capabilities

Advanced AI Technology for the Edge

- Presence Detection
- Depth Sensing
- 3D Head & Gesture Tracking
- Face ID & Landmarks Tracking
- Eye Feature Detection & Tracking
- Human Skeleton Detection
- Object Detection
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
Agenda

1. Company Overview
2. Products & Solutions
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4. Financials
Positioned in Growing Markets

COMMUNICATIONS
- 5G Wireless
- Switches/Routers

COMPUTING
- Servers
- Client

INDUSTRIAL
- Industrial IoT
- Factory Automation

AUTOMOTIVE
- ADAS
- Infotainment

CONSUMER
- Smart Home
- On-the-Go

Leading the Industry in Low Power Programmability

Note: Comparing similar class competitive devices.
Lattice Solves Communications Challenges

- Scalable Hardware Management
- 5G ORAN
- ASIC Bridging
- Datapath
- PCIe Bridging
- Control Functions
- Security
Lattice Solves Client Computing Challenges

- Computer Vision AI
- Enhanced Security
- System Optimization
- Image Quality Improvement

Client Computing is a Greenfield Opportunity for Lattice
Lattice Solves Datacenter Challenges

HARDWARE ACCELERATION
- Offload
- Attestation
- Reporting

STORAGE CARD
- Key Mgmt
- Hot Swap
- Hot Plug

MOTHERBOARD
(CPU Agnostic)

SECURE CONTROL MODULE
- BMC
- PROT / PFR
- Attestation

NETWORK CARD
- Power Control
- Reporting
- Offload

GPU CARD
- 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

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

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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

**HYBRID/ELECTRIC**
- Inverter / Charger

**IN-CABIN AI**
- Human Presence Detection
- Driver Monitoring

**SECURITY**
- Secure Battery Mgt.
- Secure Boot

360° Surround View
Display Bridging
ISP

Human Presence Detection
Driver Monitoring
Secure Battery Mgt.
Secure Boot
Lattice Solves Consumer Challenges

- Drones
- Video Surveillance
- Smart Speaker
- AR / VR
- Wearable
- Consumer Robots
- Smart Doorbell
- Smart Appliance
- Smart Toys
Lattice Semiconductor Q3 2023 Earnings Results Highlights

We delivered another quarter of solid growth, with Q3 2023 revenue and net income increasing 11% on a year-over-year basis. Today Lattice has the strongest product portfolio in our 40-year history and we continue to rapidly expand our product lineup. We look forward to our Developers Conference in December, when we expect to launch two new members of the Lattice Avant™ mid-range FPGA product family.”

Jim Anderson, President & CEO

End Market Overview

Recent Product & Corporate Momentum

Launched the Lattice CrossLink™ NX FPGA family, based on Lattice Nexus platform

Lattice multi-FPGA solution powering ADAS features in new Mazda SUV models

Received multiple industry awards for product innovation and customer satisfaction

Hosting Virtual Developers Conference Dec. 5-7, 2023
Q3 2023 Financial Highlights

**REVENUE ($M)**

- 1Q20: 97.3
- 2Q20: 100.6
- 3Q20: 103.2
- 4Q20: 107.2
- 1Q21: 115.7
- 2Q21: 125.9
- 3Q21: 131.9
- 4Q21: 141.4
- 1Q22: 150.5
- 2Q22: 161.4
- 3Q22: 172.6
- 4Q22: 176.6
- 1Q23: 184.3
- 2Q23: 190.1
- 3Q'23: 192.2

+11% Revenue Growth YoY

**GROSS MARGIN (%)**

- 1Q20: 59.8%
- 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%

+110 bps Gross Margin Expansion YoY

**OPERATING PROFIT ($M)**

- 1Q20: 22.0
- 2Q20: 25.0
- 3Q20: 27.3
- 4Q20: 28.5
- 1Q21: 32.4
- 2Q21: 36.7
- 3Q21: 40.1
- 4Q21: 46.6
- 1Q22: 61.6
- 2Q22: 68.5
- 3Q22: 70.7
- 4Q22: 75.5
- 1Q23: 76.0
- 2Q23: 77.4

+13% Operating Profit Growth YoY

**EARNINGS PER SHARE ($)**

- 1Q20: 0.15
- 2Q20: 0.17
- 3Q20: 0.19
- 4Q20: 0.19
- 1Q21: 0.22
- 2Q21: 0.25
- 3Q21: 0.26
- 4Q21: 0.32
- 1Q22: 0.32
- 2Q22: 0.37
- 3Q22: 0.46
- 4Q22: 0.49
- 1Q23: 0.51
- 2Q23: 0.62
- 3Q23: 0.59

+11% EPS Growth YoY

Non-GAAP based on earnings reported Oct. 30, 2023
Strong Financial Execution

**REVENUE**

- Consumer
- Industrial & Auto
- Comms & Computing

Growth in Core Strategic Markets

2020: 24%
2021: 34%
2022: 36%

**GROSS MARGIN**

- Gross Margin Expansion

2020: 61.0%
2021: 63.2%
2022: 69.1%

* Percentages based on non-GAAP basis. See appendix in FY’22 earnings report for reconciliation to most comparable GAAP measure.

**OPERATING INCOME**

- Record Operating Income

2020: 25.2%
2021: 30.2%
2022: 38.7%

**EARNINGS PER SHARE**

- EPS Expansion

2020: $0.69
2021: $1.06
2022: $1.75

**OPEX**

- OpEx Discipline

2020: 19.2%
2021: 18.4%
2022: 17.4%

**NET CASH**

- Positive Net Cash Position

2020: $11.6
2021: $(26.4)
2022: $17.0

Growth in Core Strategic Markets:
- Consumer
- Industrial & Auto
- Comms & Computing

Record Operating Income:
- 25.2% in 2020
- 30.2% in 2021
- 38.7% in 2022

EPS Expansion:
- $0.69 in 2020
- $1.06 in 2021
- $1.75 in 2022

OpEx Discipline:
- 19.2% in 2020
- 18.4% in 2021
- 17.4% in 2022

Positive Net Cash Position:
- 2020: $11.6
- 2021: $(26.4)
- 2022: $17.0

*Percentages based on non-GAAP basis. See appendix in FY’22 earnings report for reconciliation to most comparable GAAP measure.
LATTICE SEMICONDUCTOR
The Low Power Programmable Leader