Corporate Overview

July 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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Agenda

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

The Low Power Programmable Leader
Applications & Markets percentages based on FY2023 revenue breakdown by reporting segment.
Lattice Executive Leadership Team

Esam Elashmawi  
Interim CEO & CSMO

Sherri Luther  
CFO

Pravin Desale  
Research & Development

Tracy Feanny  
General Counsel

Terese Kemble  
Human Resources

Denis Lavallee  
Mirametrix

Mark Nelson  
Sales

Glenn O’Rourke  
Special Advisor

Divyesh Shah  
Operations & Quality

Lattice Semiconductor (NASDAQ: LSCC)
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.
Lattice Value Proposition

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

LOW 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

- **Drive**
Leadership Computer Vision Capabilities

- 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
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™
- mVision™
- Lattice Sentry™
- Lattice Automate™
- Lattice ORAN™
- Lattice Drive™

IN DEVELOPMENT

MID-RANGE FPGAs

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

SMALL FPGAs

- CrossLink-NX
- Certus-NX
- Mach-NX
- CertusPro-NX
- MachXO3-NX
- MachXO3D-NX

IN DEVELOPMENT

Nexus #8

Note: Subject to change.
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
Lattice Solves Communications Challenges

- Scalable Hardware Management
- Control Functions
- Datapath
- Security
- 5G ORAN
- ASIC Bridging
- PCIe Bridging
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

STORAGE CARD
- Key Mgmt
- Hot Swap
- Hot Plug

GPU CARD
- Power Control
- Reporting
- Throttling

MOTHERBOARD
(CPU Agnostic)

SECURE CONTROL MODULE
- BMC
- PROT / PFR
- Attestation

NETWORK CARD
- Power Control
- Reporting
- Offload

ADD-IN CARDS
- Control
- Bridging
- Aggregation

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

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

Machine Vision

Sensor Bridging

Motor Control

Collision Avoidance

Object Identification

Predictive Maintenance

Touchless Control

Edge Computing

Industrial Networking

Functional Safety

Lattice Solves Industrial Challenges
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

Secure Boot

Secure Battery Mgt.

Human Presence Detection

Driver Monitoring
Lattice Solves Consumer Challenges

- Drones
- Smart Speaker
- Video Surveillance
- AR / VR
- Wearable
- Consumer Robots
- Smart Doorbell
- Smart Appliance
- Smart Toys
Lattice Semiconductor Q2 2024 Earnings Results

"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

**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

End Market Overview

<table>
<thead>
<tr>
<th>Segment</th>
<th>Q2’24 Revenue</th>
<th>Gross Margin</th>
<th>Earnings Per Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer</td>
<td>47%</td>
<td>69%</td>
<td>$0.23</td>
</tr>
<tr>
<td>Comms &amp; Computing</td>
<td>44%</td>
<td>Flat QoQ &amp; Down 150 bps YoY</td>
<td>Vs $0.29 in Q1 2024</td>
</tr>
<tr>
<td>Industrial &amp; Automotive</td>
<td>-23%</td>
<td>-50% YoY &amp; -15% QoQ</td>
<td>$0.23</td>
</tr>
</tbody>
</table>

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
Q2 2024 Financial Results

REVENUE ($M)

-12% Revenue QoQ

GROSS MARGIN (%)

Flat Gross Margin QoQ

OPERATING PROFIT ($M)

-25% Operating Profit QoQ

EARNINGS PER SHARE ($)

-22% EPS QoQ

Non-GAAP based on earnings reported July 29, 2024
Strong YoY Financial Execution

**REVENUE**
- Consumer
- Industrial & Auto
- Comms & Computing

Growth in Core Strategic Markets

**GROSS MARGIN**

<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Margin Expansion</td>
<td>61.0%</td>
<td>63.2%</td>
<td>69.1%</td>
<td>70.4%</td>
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**OPERATING INCOME**

<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record Operating Income</td>
<td>25.2%</td>
<td>30.2%</td>
<td>38.7%</td>
<td>39.8%</td>
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**EARNINGS PER SHARE**

<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS Expansion</td>
<td>$0.70</td>
<td>$1.06</td>
<td>$1.76</td>
<td>$2.01</td>
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**OPEX**

<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>OpEx Discipline</td>
<td>19.2%</td>
<td>18.4%</td>
<td>17.4%</td>
<td>17.8%</td>
</tr>
</tbody>
</table>

**NET CASH**

<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive Net Cash Position</td>
<td>$11.6</td>
<td>($26.4)</td>
<td>$17.0</td>
<td>$128.3</td>
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* Percentages based on non-GAAP basis. See appendix in FY23 earnings report from Feb. 12, 2024, for reconciliation to most comparable GAAP measure.