Corporate Overview

February 2023
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 FY'22 earnings report 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 42%
INDUSTRIAL & AUTOMOTIVE 48%
CONSUMER & LICENSING SERVICES 10%

GROWING CUSTOMER BASE
Accton, Amazon, Apple, Canon, Cisco, Dell, Ericsson, Ford, Fujitsu, Google, HBC, HP, Hitachi, Juniper, Lenovo, Lockheed Martin, Microsoft, Nokia, Panasonic, Raytheon, Samsung, Siemens, Sony, T-Mobile, ZTE

WORLD CLASS SUPPLIER
#1 World’s largest volume supplier of FPGA
Tier 1 Supplier with 39 years of innovation

GLOBAL SUPPORT

Note: Applications & Markets percentages based on FY’22 revenue breakdown by reporting segment.
Lattice Executive Leadership Team

Jim Anderson  
CEO

Sherri Luther  
CFO

Mark Nelson  
Sales

Esam Elashmawi  
Strategy & Marketing

Steve Douglass  
Research & Development

Glenn O’Rourke  
Operations & Quality

Tracy Feanny  
General Counsel

Terese Kemble  
Human Resources

Denis Lavallee  
Mirametrix
Holding Ourselves to the Highest ESG Standards

CULTURE OF INNOVATION

ENVIRONMENTALLY CONSCIOUS

INCLUSION & SOCIAL WELLBEING

TRANSPARENCY & INTEGRITY

Committed to Sustainable Business Practices

More information available here.
Agenda

1. Company Overview
2. Products & Solutions
3. End Markets & Applications
4. Financials
Lattice Value Proposition

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

Lattice Semiconductor (NASDAQ: LSCC)
Lattice FPGA Portfolio

PLATFROM

DEVICES FAMILIES

SOLVING KEY CHALLENGES AT THE EDGE

PROCESSING DATA
ARTIFICIAL INTELLIGENCE

LATTICE AVANT™

LATTICE NEXUS™

CrossLink-NX
Certus-NX
Mach-NX
CertusPro-NX
MachXO5-NX

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

Avant-E

Avant-E

Avant-E

Avant-E

Avant-E
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
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 Tools

- **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

HARDWARE DEVICES

AVAILABLE TODAY

- Avant-E
- MachXO5-NX

2023

- Avant #2
- Nexus #6

2024+

- Avant #3
- Nexus #7

- Avant #4
- Nexus #8

- ... Avant #N
- ... Nexus #N

Note: Dates subject to change.
Agenda

1. Company Overview
2. Products & Solutions
3. End Markets & Applications
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
Lattice Solves Communications Challenges

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

AI Capable
Aware of surrounding
User detection & wellness

Seamless Interfacing
MIPI bridging
Sensor fusion

Enhanced Security
Platform Firmware Resilience

Small Form Factor
Single wire aggregation

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

- Platform Firmware Resilience
- Card Interface
- System Control
- Disaggregation
- Compute Acceleration
- Power Sequencing
Lattice Solves Industrial Challenges

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

- Drones
- AR / VR
- Smart Speaker
- Video Surveillance
- Wearable
- Smart Appliance
- Consumer Robots
- Smart Doorbell
- Smart Toys
- Smart Appliance
- Consumer Robots
- Smart Doorbell
- Smart Toys
Agenda

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Lattice Semiconductor FY 2022 Earnings Results Highlights

“2022 was a remarkable year for Lattice, as we significantly expanded our product portfolio, and delivered record financial results. Annual revenue grew by 28%, driven by growth in our core strategic markets of Industrial and Automotive, and Communications and Computing.”

Jim Anderson, President & CEO

End Market Overview

- INDUSTRIAL & AUTOMOTIVE: 41% growth
- COMMS & COMPUTING: 26% growth
- CONSUMER: -3% growth

Recent Product & Corporate Momentum

- Launched new low power mid-range FPGA platform, Lattice Avant™
- Won 3rd consecutive GSA Most Respected Semiconductor Company Award
- Lattice Avant named 2022 SEAL Sustainability Award and 2023 BIG Innovation Award winner
- Announced 2023 Analyst & Investor Day planned for May 15, 2023
Q4 & FY 2022 Financial Highlights

**REVENUE ($M)**

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Q1 2020</th>
<th>Q2 2020</th>
<th>Q3 2020</th>
<th>Q4 2020</th>
<th>Q1 2021</th>
<th>Q2 2021</th>
<th>Q3 2021</th>
<th>Q4 2021</th>
<th>Q1 2022</th>
<th>Q2 2022</th>
<th>Q3 2022</th>
<th>Q4 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>97.3</td>
<td>103.0</td>
<td>115.7</td>
<td>125.9</td>
<td>131.9</td>
<td>141.6</td>
<td>150.5</td>
<td>161.4</td>
<td>172.5</td>
<td>176.0</td>
<td>176.0</td>
<td>176.0</td>
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</tbody>
</table>

+28.1% Revenue Growth in 2022

**GROSS MARGIN (%)**

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Q1 2020</th>
<th>Q2 2020</th>
<th>Q3 2020</th>
<th>Q4 2020</th>
<th>Q1 2021</th>
<th>Q2 2021</th>
<th>Q3 2021</th>
<th>Q4 2021</th>
<th>Q1 2022</th>
<th>Q2 2022</th>
<th>Q3 2022</th>
<th>Q4 2022</th>
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<tbody>
<tr>
<td>Margin</td>
<td>59.8%</td>
<td>61.3%</td>
<td>61.5%</td>
<td>61.6%</td>
<td>61.7%</td>
<td>62.1%</td>
<td>63.6%</td>
<td>65.1%</td>
<td>67.7%</td>
<td>69.1%</td>
<td>69.5%</td>
<td>70.0%</td>
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</table>

+590 bps Gross Margin Expansion in 2022

**OPERATING PROFIT (%)**

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Q1 2020</th>
<th>Q2 2020</th>
<th>Q3 2020</th>
<th>Q4 2020</th>
<th>Q1 2021</th>
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<th>Q3 2021</th>
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<th>Q2 2022</th>
<th>Q3 2022</th>
<th>Q4 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profit</td>
<td>22.7%</td>
<td>24.9%</td>
<td>26.5%</td>
<td>26.6%</td>
<td>28.0%</td>
<td>29.1%</td>
<td>30.4%</td>
<td>32.9%</td>
<td>36.3%</td>
<td>38.1%</td>
<td>39.7%</td>
<td>40.2%</td>
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</table>

+845 bps Operating Profit Growth in 2022

**EARNINGS PER SHARE ($)**

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Q1 2020</th>
<th>Q2 2020</th>
<th>Q3 2020</th>
<th>Q4 2020</th>
<th>Q1 2021</th>
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<th>Q3 2021</th>
<th>Q4 2021</th>
<th>Q1 2022</th>
<th>Q2 2022</th>
<th>Q3 2022</th>
<th>Q4 2022</th>
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<tbody>
<tr>
<td>EPS</td>
<td>0.15</td>
<td>0.17</td>
<td>0.19</td>
<td>0.19</td>
<td>0.22</td>
<td>0.25</td>
<td>0.32</td>
<td>0.37</td>
<td>0.42</td>
<td>0.48</td>
<td>0.49</td>
<td>0.49</td>
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</tbody>
</table>

+65% EPS Growth in 2022
Strong Financial Execution

**REVENUE**
- **Comms/Compute**: Growth in Core Strategic Markets
- **Industrial/Auto**: 6% in 2019, 19% in 2020, 38% in 2021, 39% in 2022
- **Consumer**: 48% in 2020, 42% in 2021
- **IP**: 7% in 2019

**GROSS MARGIN**
- **2019**: 59.3%
- **2020**: 61.0%
- **2021**: 63.2%
- **2022**: 69.1%

**REVENUE**
- **GROWTH IN CORE STRATEGIC MARKETS**
- **OPERATING INCOME**
- **REVENUE**
- **EARNINGS PER SHARE**
- **NET CASH**

**SG&A**
- **2019**: 17.5%
- **2020**: 18.1%

**R&D**
- **2019**: 13.0%

**OpEx Discipline**
- **2019**: 17.4%
- **2020**: 18.1%
- **2021**: 17.5%
- **2022**: 13.0%

**Net Cash Position**
- **2019**: $11.6
- **2020**: $17.0
- **2021**: $(26.4)
- **2022**: $(26.4)

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