The Low Power Programmable Leader

Second Quarter, 2020
Safe Harbor

This presentation contains forward-looking statements that involve estimates, assumptions, risks and uncertainties, including statements relating to our expectations about our systems solutions’ offerings under the heading “Future”.

Factors that may cause actual results to differ materially from the forward-looking statements in this presentation include those risks more fully described in Lattice’s filings with the SEC including its annual report on Form 10-K for the fiscal year ended December 28, 2019 and quarterly filings.

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.
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

<table>
<thead>
<tr>
<th>APPLICATIONS &amp; MARKETS</th>
<th>INDUSTRIAL &amp; AUTOMOTIVE</th>
<th>37%</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMUNICATIONS &amp; COMPUTING</td>
<td></td>
<td>39%</td>
</tr>
<tr>
<td>CONSUMER &amp; BROADCAST</td>
<td></td>
<td>24%</td>
</tr>
</tbody>
</table>

WORLD CLASS SUPPLIER
In business and innovating for 35 years

$404M
2019 revenue

1 BILLION+
shipped last 4 years

GLOBAL SUPPORT

CISCO
amazon
DELL
BOSCH
NOKIA
Panasonic
SAMSUNG
SONY

Sales Support  Development Ctr.  Operations Ctr.
Lattice Executive Leadership Team

Jim Anderson  
CEO

Mark Nelson  
Sales

Esam Elashmawi  
Marketing & Strategy

Steve Douglass  
Research & Development

Glenn O’Rourke  
Operations

Sherri Luther  
CFO

Byron Milstead  
General Counsel

Terese Kemble  
Human Resources
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 Product Portfolio

**BROAD FAMILY OF LOW POWER FPGAs**

**GENERAL PURPOSE**

Addresses a broad range of applications across multiple markets

- Up to 150K LUTs in 10x10 mm csfBGA
- Highest density & lowest power SERDES in smallest package

**FPGA FAMILIES TAILORED FOR SPECIFIC NEEDS**

**VIDEO CONNECTIVITY**

- Optimized for high speed video and sensor applications

  - First FPGA with hardened MIPI D-PHY
  - Highest performance at lowest power

**ULTRA LOW POWER**

- World’s lowest power FPGAs; Optimized for small form factor

  - Static current as low as 25 uA
  - World’s most popular ultra-low power FPGA

**CONTROL & SECURITY**

- Optimized for platform management & security applications

  - 50% market share
  - Highest I/O density
LATTICE NEXUS

Next Generation FD-SOI FPGA Platform

- Low power leadership
- Edge computing ready
- Robust and reliable
- Smallest form factor
- Faster innovation cadence

AVAILABLE NOW
Lattice Nexus is Changing the FPGA Landscape

- **POWER**
  - Operating Power Consumption
  - **Competition**: Up to 75% Lower power vs. Lattice

- **PERFORMANCE**
  - Video Connectivity
  - **Competition**: Up to 2x Faster speed vs. Lattice

- **RELIABILITY**
  - Soft Error Rate
  - **Competition**: Up to 100x Lower SER vs. Lattice

Note: comparing similar class competitive devices
Lattice’s Expanded System Solutions

**TODAY**
- Security Solution Stack
- AI Solution Stack
- Soft IP
- Lattice Radiant SW

**FUTURE**
- More Solution Stacks
- Security Solution Stack
- AI Solution Stack
- Soft IP
- Lattice Radiant SW

Bringing Additional Value to Our Customers
New Low Power Silicon

CrossLink-NX

- Built on the Lattice Nexus Platform
- Optimized Low Power Architecture
- Available now

MachXO3D

- Robust Platform Security
- Secure Hardware
- Designed for NIST Compliance
- Customer Samples Delivered
New Value-Added Solutions and Software

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

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

**Lattice Radiant**
- Advanced Ease-of-use
- Simplified Flow for Faster Design
- Increase Re-use with IP Tools
- Leading Synthesis & Simulation
Agenda

1. Company Overview
2. Products & Solutions
3. End-Markets & Applications
4. Financials
Positioned in Growing End Markets

Only Lattice is investing in small, low power FPGAs for these markets
Lattice Solves Communications Challenges

- SCALABLE HARDWARE MANAGEMENT
- ASIC BRIDGING
- PCIe BRIDGING
- SECURE CONTROL
Lattice Solves Data Center Challenges

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

- Programmable Logic Controller
- Motor Control
- Sensor Bridging
- Package Detection
- Collision Avoidance
- Predictive Maintenance
- Functional Safety
- Machine Vision
- Industrial Networking

Lattice Solves Industrial Challenges
Lattice Solves Automotive Challenges

EV CAR
- Motor Control
- IGBT Protection

E-MIRROR
- De-Fog
- ISP

INFOTAINMENT
- Audio Bridging
- Display Bridging
- 360° Surround View

ADAS
- Image Sensor Bridging and Aggregation
- Radar Sensor Bridging and Aggregation
Lattice Solves Consumer Challenges

- High end Projectors
- Sound Bars
- AR / VR
- Residential Security
- Smart Light
- Smart Thermostat
- Smart Appliances
- Smart Speakers
- Drones
Agenda

1. Company Overview
2. Products & Solutions
3. End-Markets & Applications
4. Financials
Financial Highlights

**Revenue ($M)**

- 2Q19: 102.3
- 3Q19: 103.5
- 4Q19: 100.2
- Q1'20: 97.3

**Cash ($M)**

- 2Q19: 122.6
- 3Q19: 97.4
- 4Q19: 118.1
- Q1'20: 176.6

**Net Income ($M)**

- 2Q19: 21.1
- 3Q19: 22.9
- 4Q19: 22.9
- Q1'20: 20.2

**Debt ($M)**

- 2Q19: 189.5
- 3Q19: 156.4
- 4Q19: 146.5
- Q1'20: 192.3