



The Low Power Programmable Leader

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%

WORLD CLASS SUPPLIER

#1

World's largest volume
supplier of FPGA

Tier 1

Supplier with 39 years
of innovation



GROWING CUSTOMER BASE

Accton

amazon

BYD

Canon

CISCO

DELL

ERICSSON

Ford

FUJITSU

Google

H3C

hp

Hewlett Packard
Enterprise

HITACHI

JUNIPER
NETWORKS

Lenovo

Mitsubishi

LOCKHEED MARTIN

Microsoft

NOKIA

Panasonic

Raytheon

SAMSUNG

SIEMENS

SONY

ZTE

GLOBAL SUPPORT



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
Miramatrix

Holding Ourselves to the Highest ESG Standards

CULTURE OF INNOVATION



ENVIRONMENTALLY CONSCIOUS



INCLUSION & SOCIAL WELLBEING



TRANSPARENCY & INTEGRITY



Committed to Sustainable Business Practices

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 FPGA Portfolio

PLATFORM

DEVICE FAMILIES

LATTICE
AVANT™



SOLVING KEY CHALLENGES AT THE EDGE

PROCESSING DATA



ARTIFICIAL INTELLIGENCE



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

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

LATTICE
sensAI™



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
Sentri™



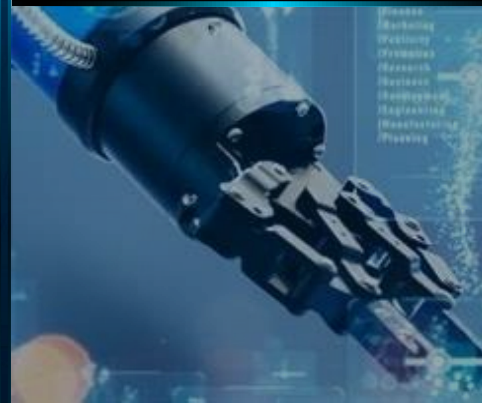
Cyber Resilient Root of Trust

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

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

LATTICE
sensAI™

mVISION™

LATTICE
Sentro™

LATTICE
Automate™

LATTICE
ORAN™

Next Solution
Stack
TO BE ANNOUNCED

HARDWARE DEVICES

AVAILABLE TODAY

2023

2024+



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- 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

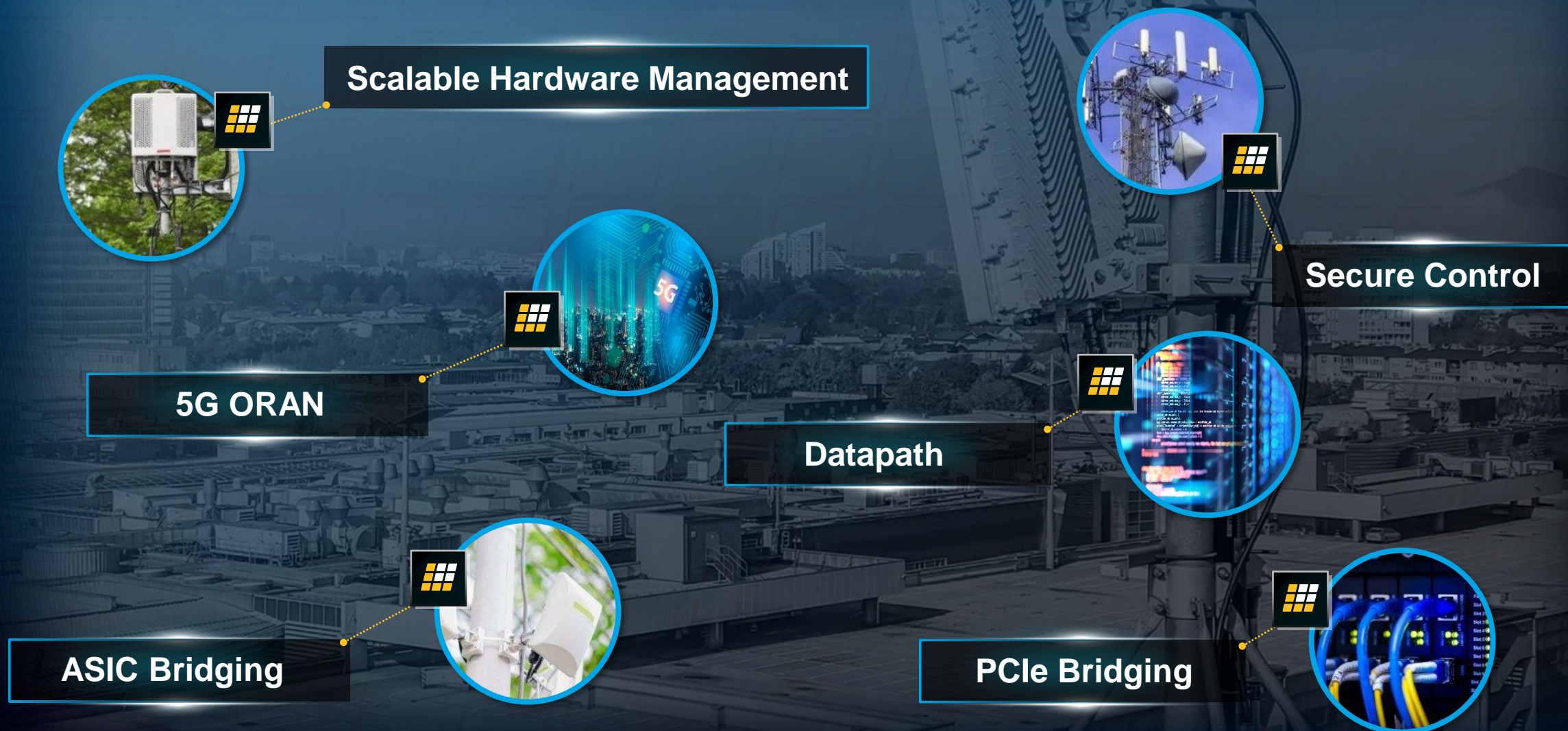
CONSUMER



Smart Home
On-the-Go

Leading the Industry in Low Power Programmability

Lattice Solves Communications Challenges



Lattice Solves Client Computing Challenges

AI Capable

Aware of surrounding
User detection & wellness

Enhanced Security

Platform Firmware Resilience

Seamless Interfacing

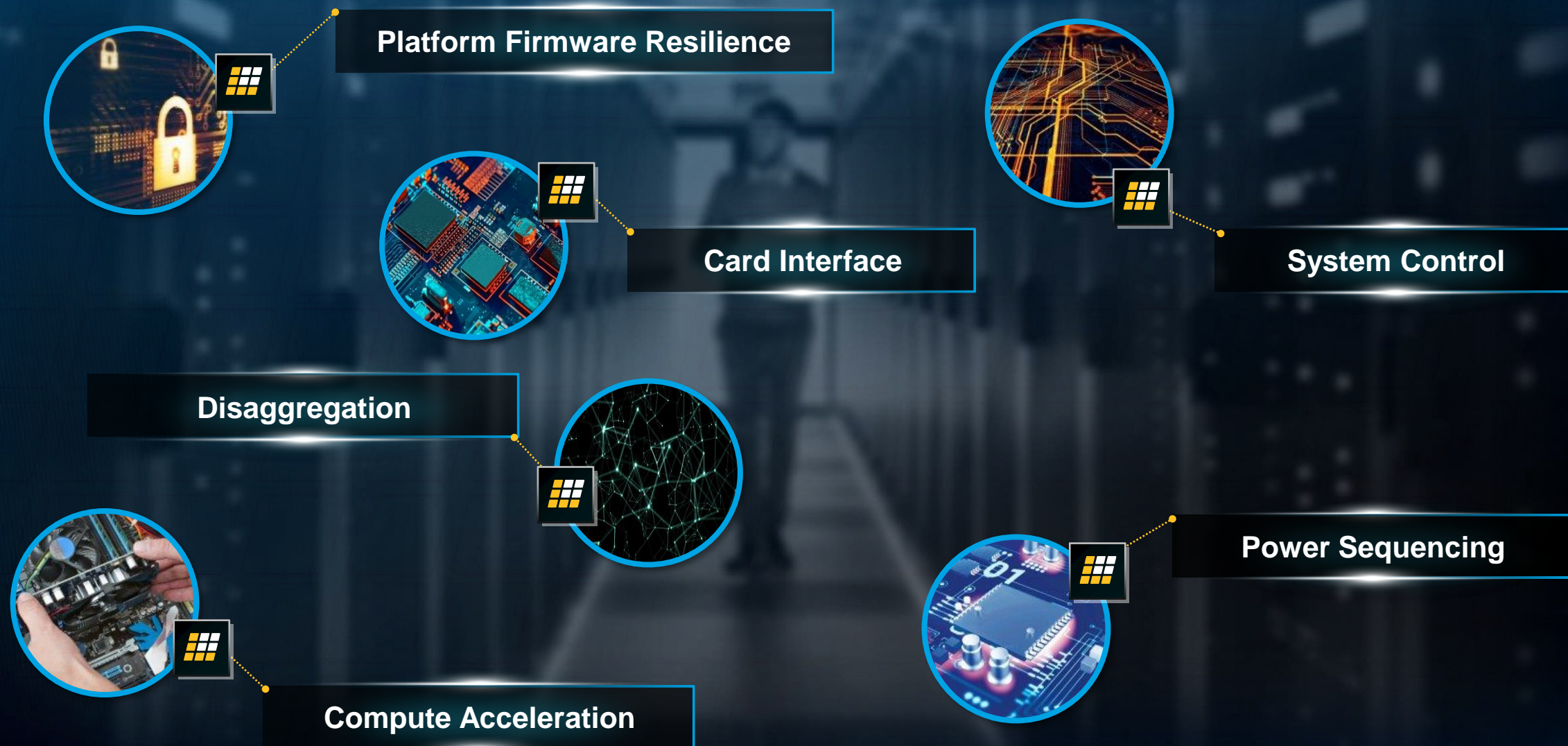
MIPI bridging
Sensor fusion

Small Form Factor

Single wire aggregation

Client Computing is a Greenfield Opportunity for Lattice

Lattice Solves Datacenter Challenges



Lattice Solves Industrial Challenges

Industrial Networking



Functional Safety



Programmable Logic Controller



Edge Computing



Touchless Control



Predictive Maintenance



Machine Vision



Object Identification



Motor Control



Sensor Bridging



Collision Avoidance



Lattice Solves Automotive Challenges

INFOTAINMENT

De-Fog

360° Surround View

Display Bridging

ISP

ADAS

Radar Sensor Bridging & Aggregation

Image Sensor Bridging & Aggregation

IN-CABIN AI

Human Presence Detection

Driver Monitoring

SECURITY

Secure Battery Mgt.

Secure Boot

HYBRID/ELECTRIC

Inverter / Charger

Lattice Solves Consumer Challenges

Drones



AR / VR



Smart Appliance



Smart Speaker



Consumer Robots



Video Surveillance



Wearable



Smart Doorbell



Smart Toys



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Lattice Semiconductor FY 2022 Earnings Results Highlights

REVENUE

↑ 28.1%

FY'22/FY'21

11 consecutive quarters of sequential growth

GROSS MARGIN

↑ 69.1%

Expanded by 590 bps vs FY'21

EARNINGS PER SHARE

↑ 65%

FY'22/FY'21

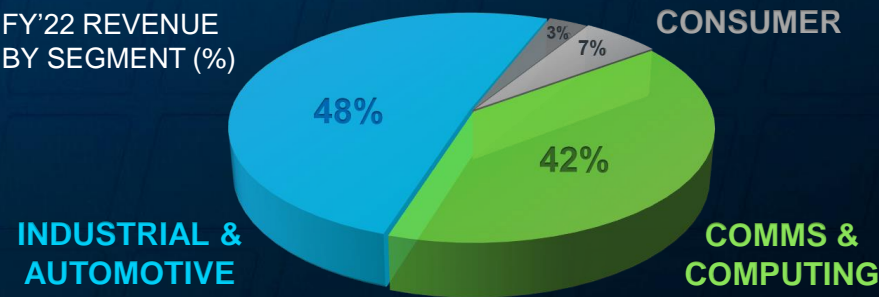
\$1.75 in FY'22 vs \$1.06 in FY'21

“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

FY'22 REVENUE
BY SEGMENT (%)



INDUSTRIAL & AUTOMOTIVE

↑ 41%
FY'22/FY'21

COMMS & COMPUTING

↑ 26%
FY'22/FY'21

CONSUMER

↓ -3%
FY'22/FY'21

Recent Product & Corporate Momentum



Launched new low power mid-range FPGA platform, Lattice Avant™



Won 3rd consecutive GSA Most Respected Semiconductor Company Award



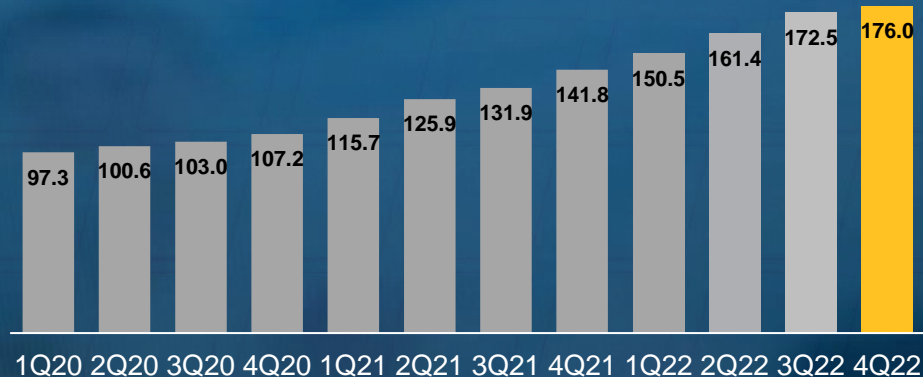
Lattice Avant named 2022 SEAL Sustainability Award and 2023 BIG Innovation Award winner



Announced 2023 Analyst & Investor Day planned for May 15, 2023

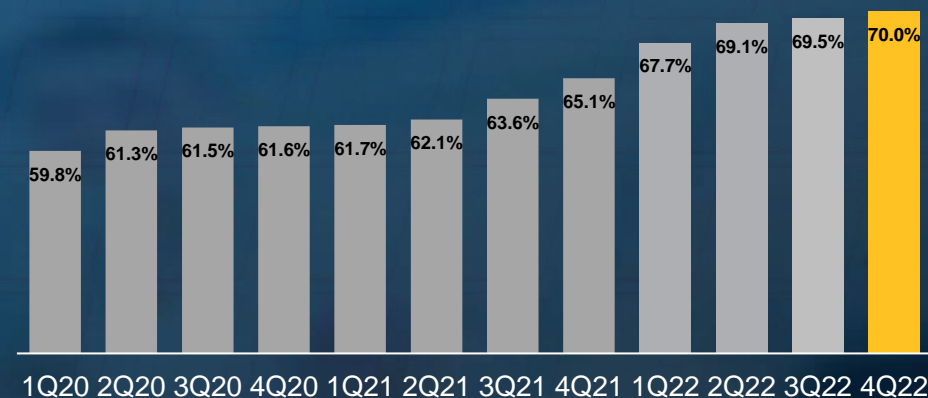
Q4 & FY 2022 Financial Highlights

REVENUE (\$M)



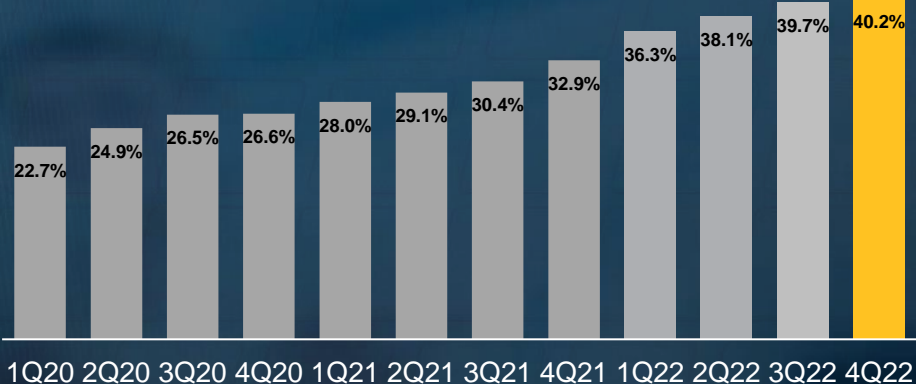
+28.1% Revenue Growth in 2022

GROSS MARGIN (%)



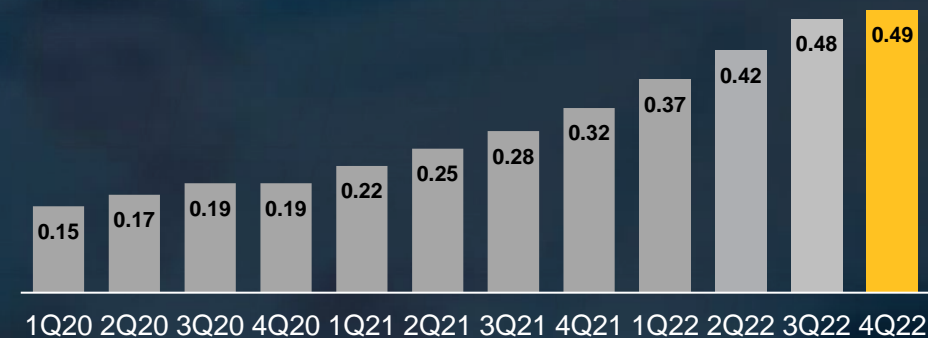
+590 bps Gross Margin Expansion in 2022

OPERATING PROFIT (%)



+845 bps Operating Profit Growth in 2022

EARNINGS PER SHARE (\$)

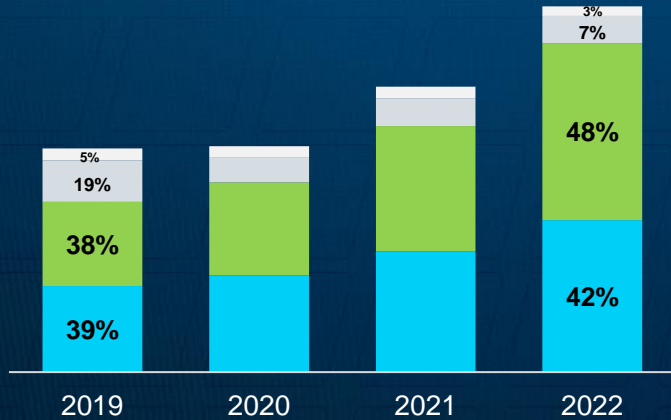


+65% EPS Growth in 2022

Strong Financial Execution

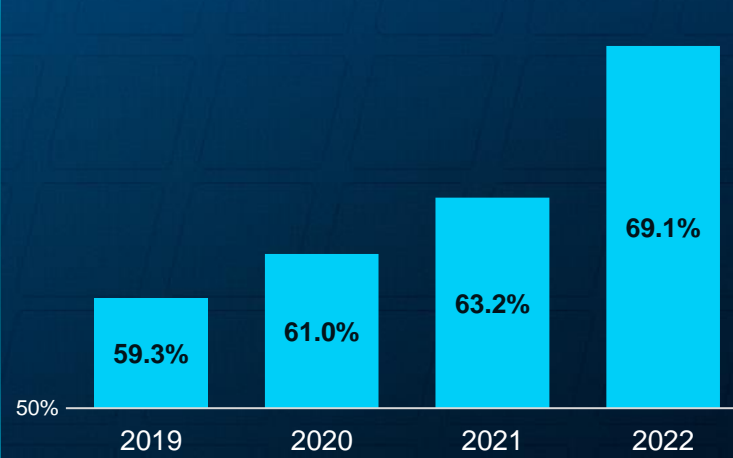
REVENUE

Comms/Compute Industrial/Auto Consumer IP



Growth in Core Strategic Markets

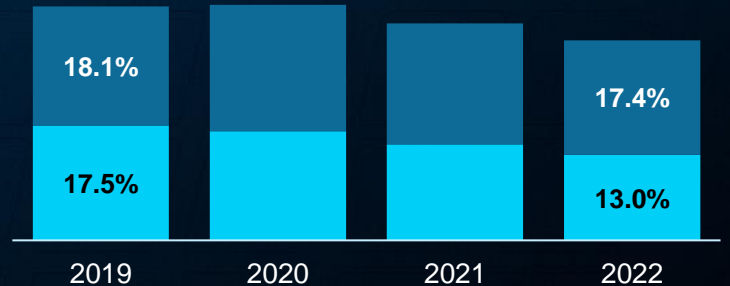
GROSS MARGIN*



Gross Margin Expansion

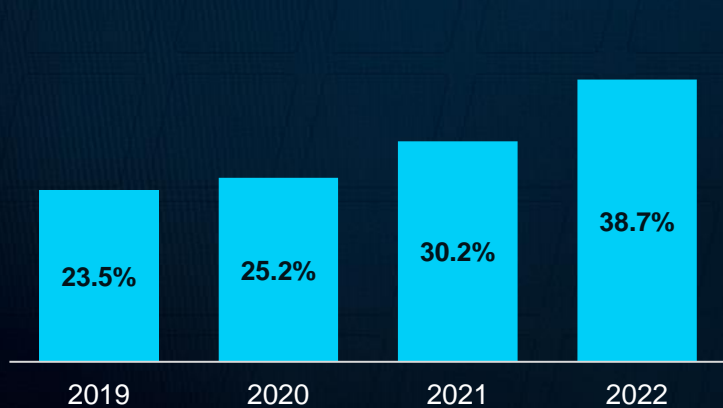
OPEX*

SG&A R&D



OpEx Discipline

OPERATING INCOME*



Record Operating Income

EARNINGS PER SHARE*



EPS Expansion

NET CASH

\$ Millions



Positive Net Cash Position



The Low Power Programmable Leader