

Safe Harbor

Forward Looking Statements

This presentation contains forward-looking statements that involve estimates, assumptions, risks and uncertainties, including statements and graphs relating to our expectations about the growth of our addressable and end markets, and the factors driving such growth; the size of our total addressable market in 2028; expanding our product portfolio; our expectations that our innovation will lead the market; our belief that we will launch new products during stated periods including CrossLinkU-NX, Drive, Avant-X and software and solution stacks; the timing of hosting our Developer Conference; our belief that our revenue may grow by double digits during the next three or four years; our expectations regarding achievable results for future revenue growth and drivers of revenue growth in our end markets, gross margin improvement, operating expense, cash generation and profit expansion; the rate of repurchases, if any, under our share repurchase program.

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 31, 2022 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.

This presentation includes certain non-GAAP financial measures such as non-GAAP operating expenses, non-GAAP gross margin, non-GAAP operating income, non-GAAP earnings per share, free cash flow, leverage ratio, organic investment and inorganic investment. We present non-GAAP financial measures in addition to, and not as a substitute for, financial measures calculated in accordance with generally accepted accounting principles ("GAAP"). Non-GAAP measures should not be considered in isolation or as alternatives to GAAP measures. In addition, the non-GAAP measures we use, as presented, may not be comparable to similar measures used by other companies. See the Appendix of this presentation for definitions of our non-GAAP financial measures and for reconciliations to the most comparable GAAP financial measures.

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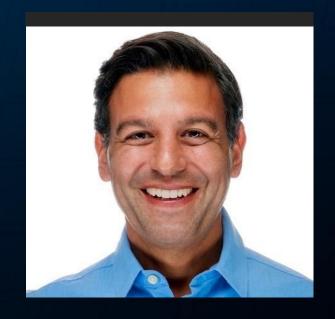


Agenda



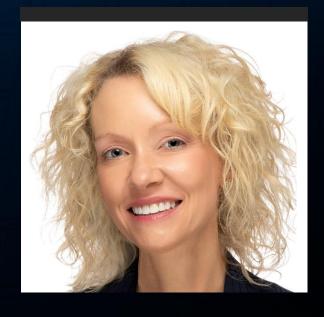
Jim Anderson President & Chief Executive Officer

OVERVIEW & STRATEGY



Esam Elashmawi Chief Strategy & Marketing Officer

PRODUCTS & MARKETS



Sherri Luther Chief Financial Officer

FINANCIALS



2023 LATTICE ANALYST & INVESTOR DAY

OVERVIEW & STRATEGY

Jim Anderson
President & CEO



LATICE ISEMICONDUCTOR®

The Low Power Programmable Leader



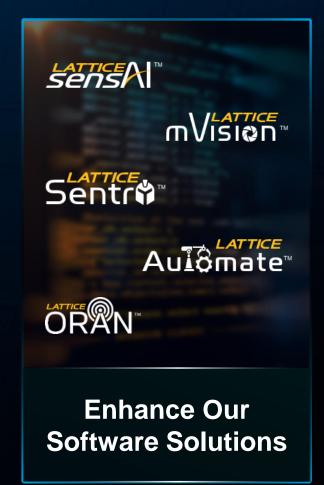
Key Goals From Our 2021 Investor Day



Extend Our Nexus Leadership



Expand Our Addressable Market





EXTENDED OUR NEXUS LEADERSHIP



CrossLink-NX



Certus-NX







CertusPro-NX



THREE NEW DEVICE FAMILIES SINCE MAY 2021

MachXO5⁻NX



MachXO5T-NX

Enhanced **Embedded Vision FPGA**

Reinvented General Purpose **FPGA**

2nd Generation Security **FPGA**

Advanced **General Purpose FPGA**

Enhanced Monitor and Control **FPGA**

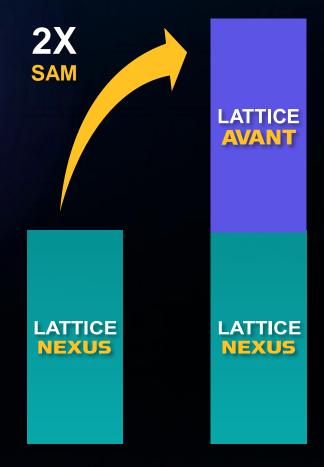
Advanced System Control **FPGA**

LATTICE NEXUS



DOUBLED OUR ADDRESSABLE MARKET WITH AVANT





Lattice Avant Platform Launched in December 2022

Lattice Addressable Market



EXPANDED OUR SOLUTION PORTFOLIO







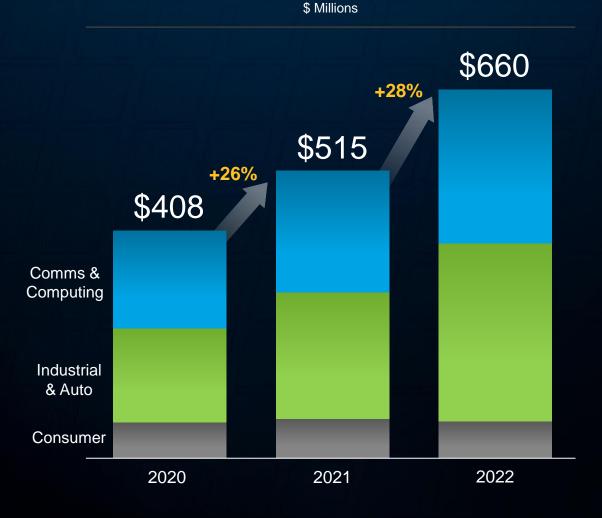




Application Solution Stack Portfolio to Accelerate Customer Innovation

Strong Growth in Our Core Markets

REVENUE



COMMUNICATIONS & COMPUTING

- Four consecutive years of double-digit growth
- Continued expansion in \$ content per server
- Growth in 5G and datacenter networking

INDUSTRIAL & AUTOMOTIVE

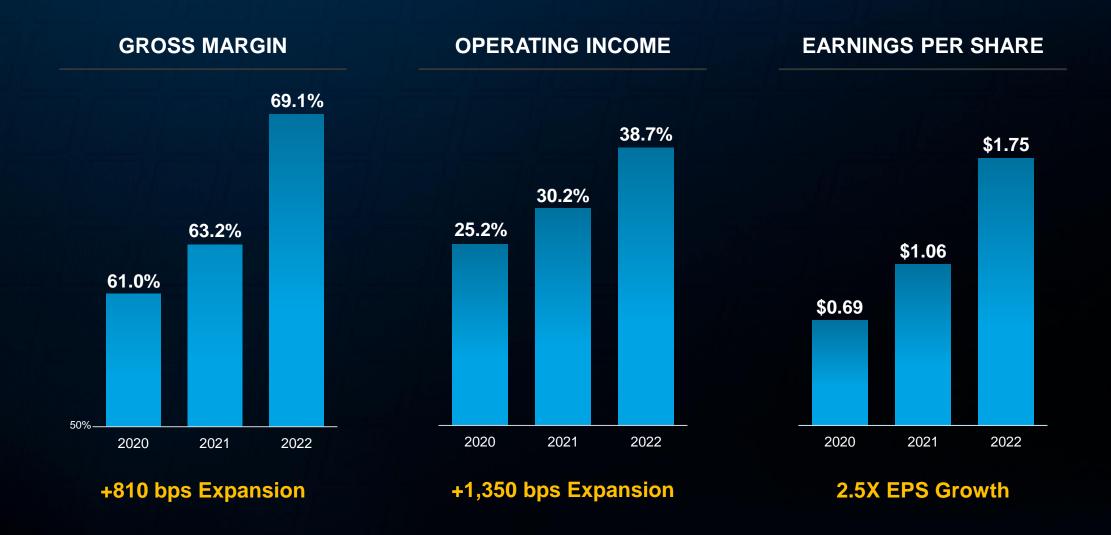
- Three consecutive years of double-digit growth
- Growth in industrial robotics and automation
- New automotive electronics programs

CONSUMER

Focused on higher-end prosumer applications



Exceptional Financial Execution





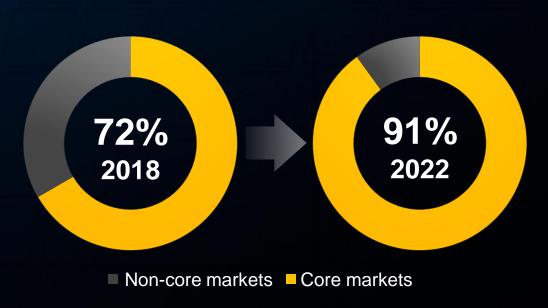




Positioned in Secular Growth Markets



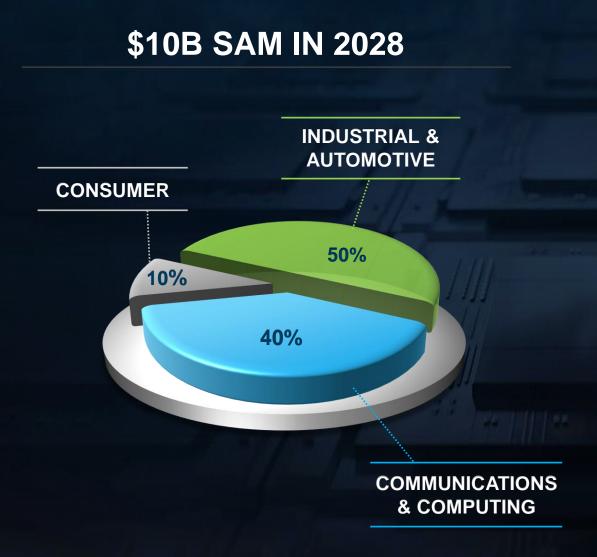
STRATEGIC MARKET SHIFT

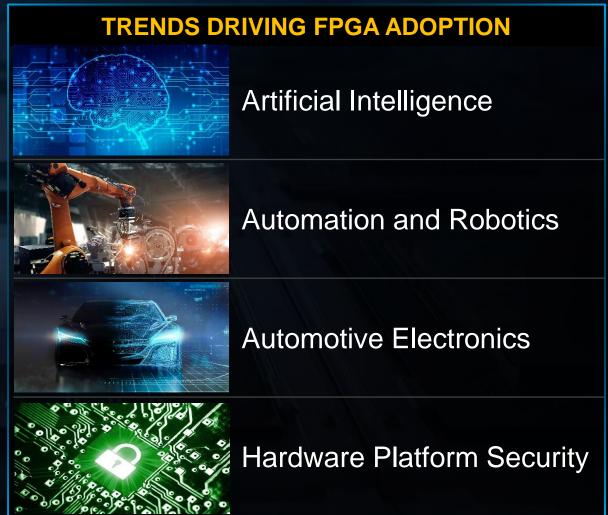


Shift to Durable Secular Growth Markets



Expanded Market Opportunity





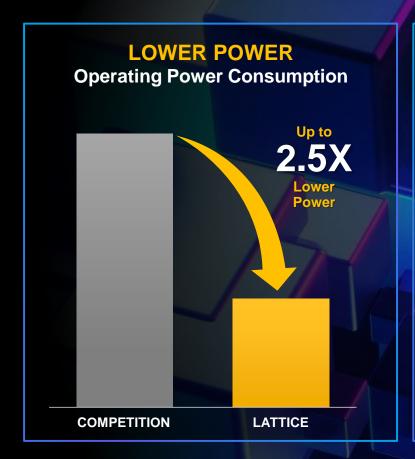


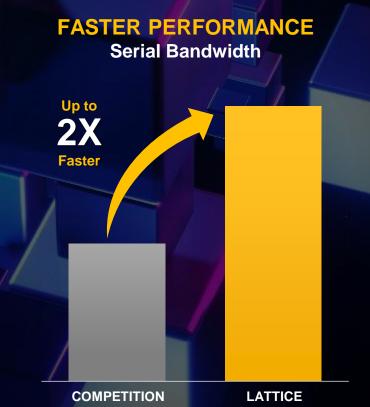
RAPID PRODUCT PORTFOLIO EXPANSION

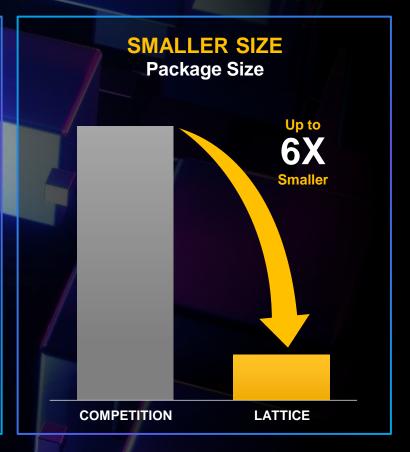




LATICEAVANT









Software Strategy Expands Customer Value Creation



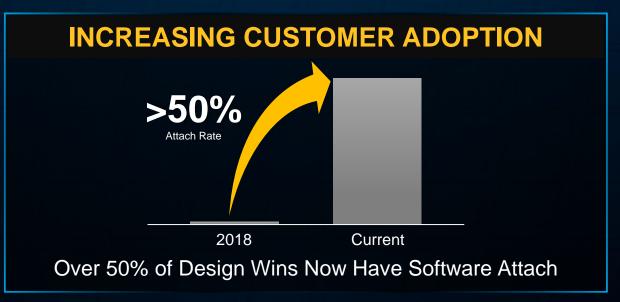














DELIVERING VALUE CREATION

Higher ASPs on Design Wins with Software Attach

CREATING LONG-TERM STICKINESS

Multi-generational Design Wins



DELIVERING CUSTOMER-CENTRIC INNOVATION



Accton

ADVANTECH

AIRBUS



∕Inritsu

· APTIV ·

ARISTA



BAE SYSTEMS







Canon



illilli CISCO





⇔DATALOGIC ...





























Inventec



KUKA



Lenovo











NEC

NOKIA



OMRON

Panasonic



Raytheon





Schneider Belectric

SIEMENS

SONY





TERADYNE

THALES

TOSHIBA

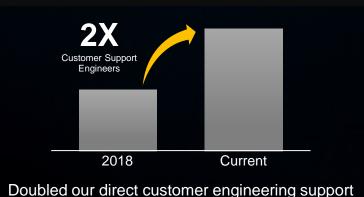
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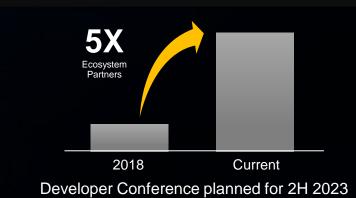
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DEEPER CUSTOMER RELATIONSHIPS



RAPIDLY EXPANDING ECOSYSTEM

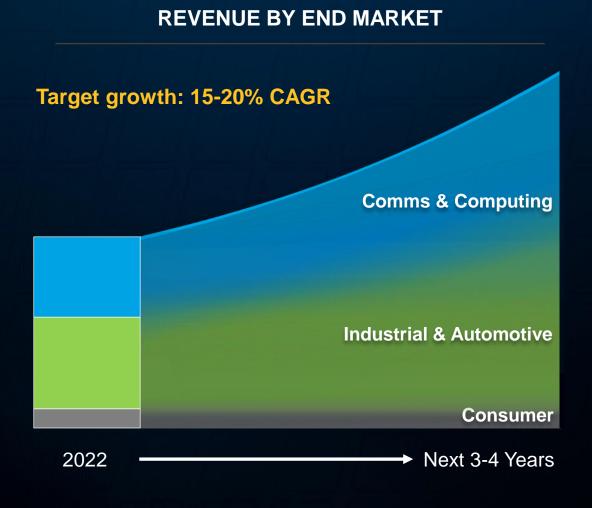


AVANT ADOPTION OPPORTUNITY





Raising Our Long-Term Revenue Growth Target



COMMUNICATIONS & COMPUTING

- Continued expansion in server \$ content
- Datacenter networking and 5G infrastructure
- Greenfield growth in client computing

INDUSTRIAL & AUTOMOTIVE

- New industrial robotics programs
- Industrial automation and safety
- New automotive electronics programs

CONSUMER

Potential for modest growth

Targeting Annual Growth of 15% to 20% over Next 3 to 4 Years



Raising Our Long-Term Revenue Growth Target

REVENUE BY MARKET SEGMENT



MID-RANGE FPGA SEGMENT

- Revenue expected to begin end of 2023
- Additive to small FPGA revenue stream
- Avant ASPs 10-20X higher than small FPGA
- Avant accelerates Lattice top line growth as it ramps

SMALL FPGA SEGMENT

- Continue to grow double digits in small FPGA
- Nexus drives majority of growth in small FPGA
- Pre-Nexus continues to grow at a modest rate
- Software for small FPGA is leveraged for mid-range

Avant Provides New Revenue Growth Stream



Raising the Bar Again on Our Financial Targets

GROSS MARGIN EXPANSION

Raising Target to Low 70's

OPEX DISCIPLINE

Lowering Target to 30%

OPERATING INCOME

Raising Target to Low 40's



Holding Ourselves to the Highest Standards









GSA MOST RESPECTED PUBLIC COMPANY THREE YEARS IN A ROW







STRONG & GROWING RECOGNITION FOR CLEANTECH PRODUCT INNOVATION















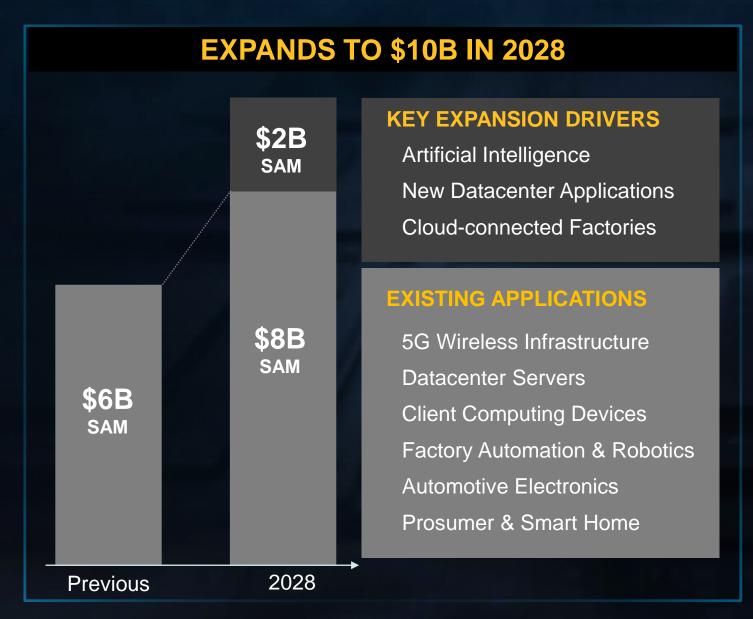
2023 LATTICE ANALYST & INVESTOR DAY

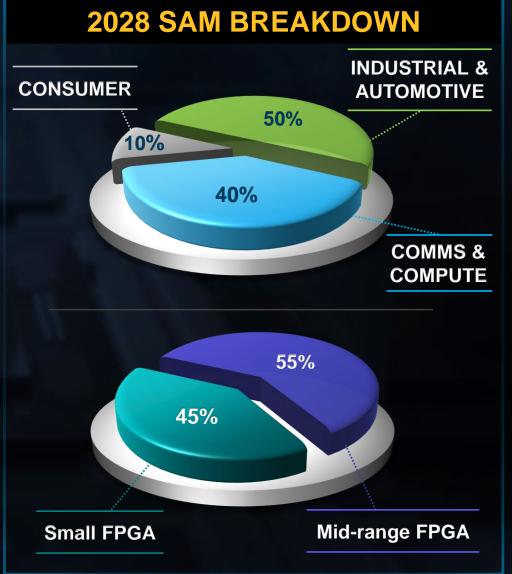
PRODUCTS & MARKETS

Esam ElashmawiChief Strategy & Marketing Officer



Lattice SAM Outlook







FPGA Landscape

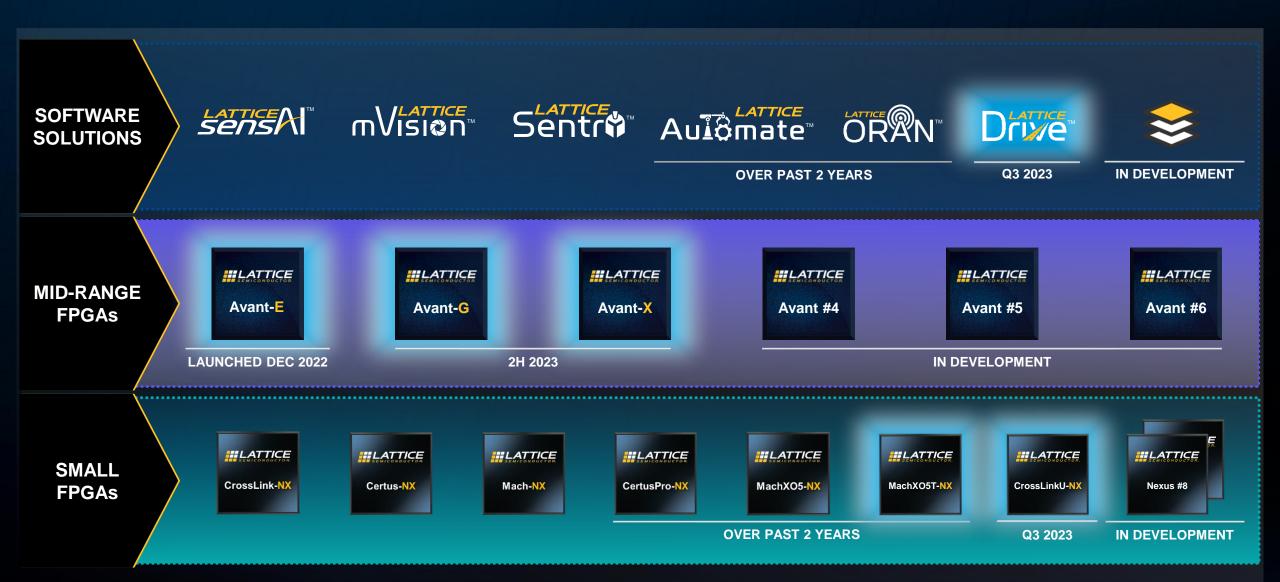
	ASP Range	Volume	Typical Applications
LARGE DOUBLES OF THE STATE OF	\$100's - \$1000's	Smallest	Datacenter Acceleration & Communications
MID-RANGE 15 mm x 15 mm	\$10's - \$100's	Moderate	Communications, Computing, Industrial, & Automotive
SMALL	\$1 - \$10's	Largest	Applications across many end markets



FPGA Landscape



RAPID PRODUCT PORTFOLIO EXPANSION





Nexus FPGA Portfolio Expansion







Avant FPGA Portfolio Expansion





New Automotive Solution Stack



CUSTOMER BENEFITS

- ADAS sensor bridging and processing
- Infotainment display bridging and processing
- Low power driver / cabin / vehicle monitoring
- Functional safety certified design software

Expanding Our Software Portfolio with Our Sixth Solution Stack



Positioned in Growing Markets



5G Wireless

Datacenter Network





Servers

Client

INDUSTRIAL



Industrial IoT

Factory Automation

AUTOMOTIVE



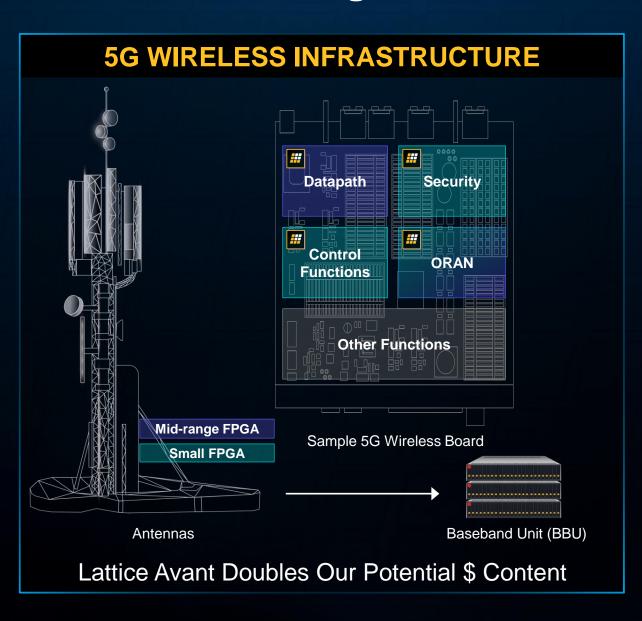
ADAS

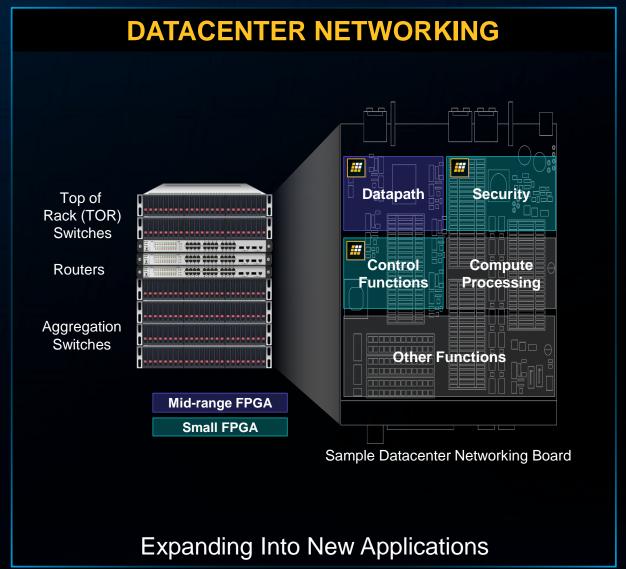
Infotainment

Leading the Industry in Low Power Programmability



Content Increasing in Comms Infrastructure





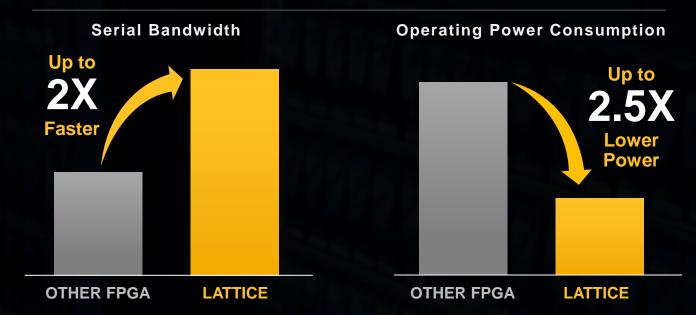


Datapath Security Top of Rack (TOR) Switches Control Compute Routers **Functions Processing** Aggregation **Switches** Other Functions Mid-range FPGA **Small FPGA** Sample Datacenter Networking Board Datapath: Flexible fronthaul synchronization and low power acceleration

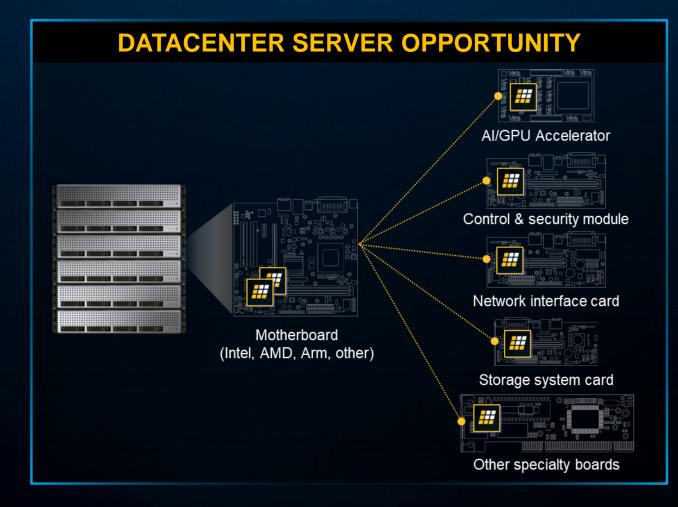
Security: Authentication and real-time encryption/decryption of control data

Control Functions: Board level management and control

LATTICE ADVANCED CONNECTIVITY & POWER EFFICIENCY



Expanding Position in Server Platforms



LATTICE GROWTH POTENTIAL

DATACENTER SERVER TRENDS

- Pervasive heterogeneous computing
- Growth in Al acceleration driven by generative Al
- Greater system modularity to manage complexity

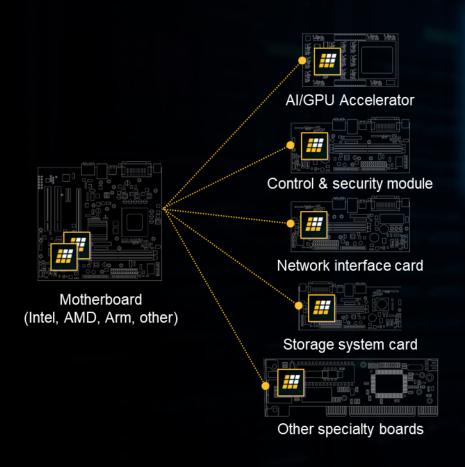
LATTICE OPPORTUNITES

- Almost every server ships with Lattice silicon today
- Multiple Lattice sockets/board & boards/server
- Greater need for control/security drives higher ASP

Lattice \$ Content Per Server Expected to Grow Over 50%



Enabling Next Generation Datacenters

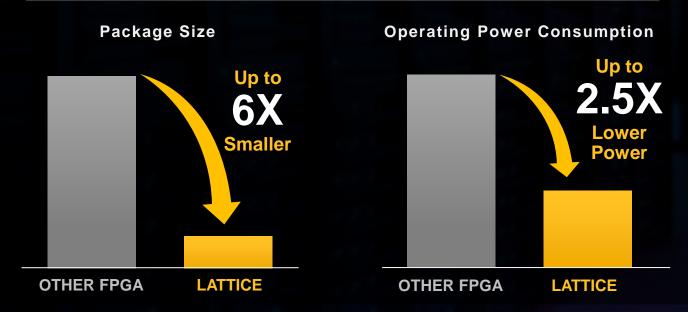


CPU Agnostic: Enabling all architectures

Connectivity: Industry standard for power management & I/O control

Flexibility: Adaptive security engines

LATTICE SIZE & POWER EFFICIENCY ADVANTAGE



Lattice Solves Client Computing Challenges



LATTICE GROWTH POTENTIAL

- Large system unit TAM opportunity
- Lattice ASPs per unit in low to mid-single digits
- Actively engaged with top OEMs

Recent Platform Launches

Lenovo





And others in progress

Large Greenfield Opportunity for Lattice



Enabling Next Generation Client Devices

- Attention Sensing: Intelligent collaboration battery-life savings wellness
 - Enhanced Security: User ID & privacy platform firmware resilience
- Adaptive Performance: Latest AI models pre-processing smart ISP

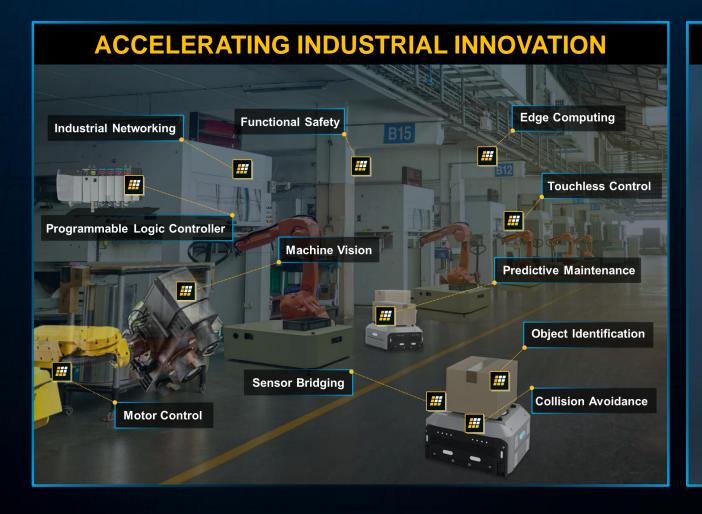
LATTICE BATTERY LIFE SAVINGS



with Lattice computer vision technology



Lattice Solves Industrial Challenges



LATTICE GROWTH POTENTIAL

INDUSTRIAL TRENDS

- Increased factory and warehouse autonomy
- More intelligent robots and industrial systems
- Growing demand for cloud to edge networking

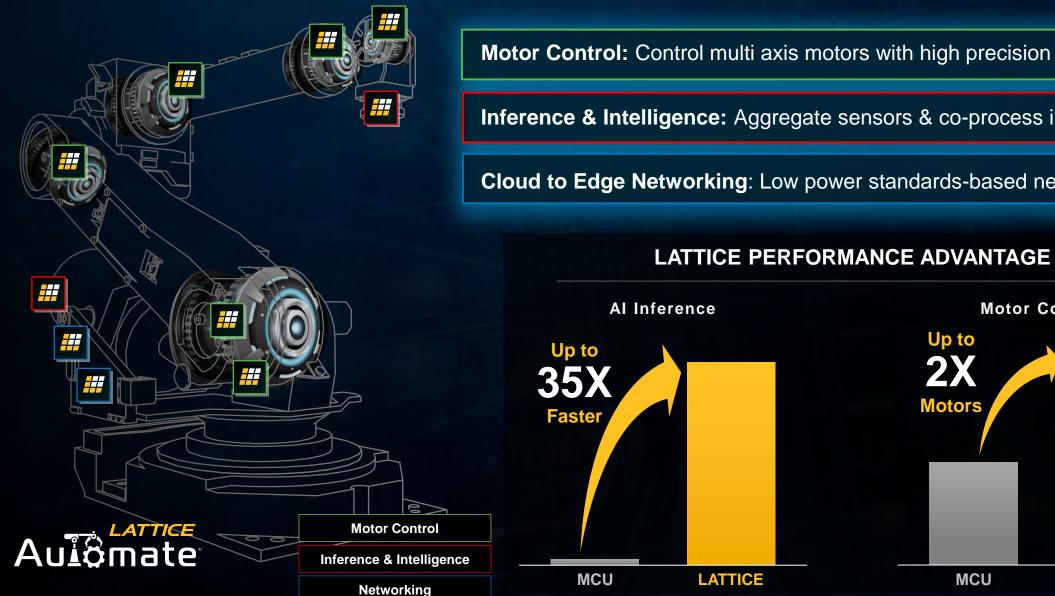
LATTICE OPPORTUNITES

- 100M+ robot/automation systems deployed/year
- Increased usage of motors, sensors, and cameras
- Growing need for multiple FPGAs per system

Factory Automation Driving Next Wave of Growth Opportunities



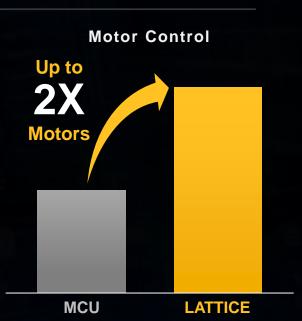
Enabling Next Generation Robotics



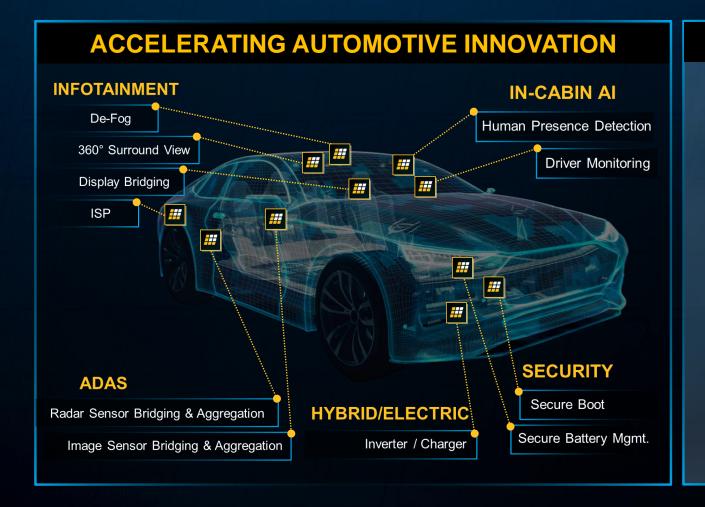
Motor Control: Control multi axis motors with high precision & low power

Inference & Intelligence: Aggregate sensors & co-process information

Cloud to Edge Networking: Low power standards-based networking



Lattice Solves Automotive Challenges



LATTICE GROWTH POTENTIAL

AUTOMOTIVE TRENDS

- Vehicle electronic content increasing
- Scalability and adaptability across model lines
- Low latency deterministic processing of data

LATTICE OPPORTUNITIES

- Increased usage of display, sensors, and cameras
- Growing need for multiple FPGAs per vehicle
- ASPs from \$1 to \$100+ per chip

Automotive Electronics Driving New Growth Opportunities



Enabling Next Generation Automotive Applications

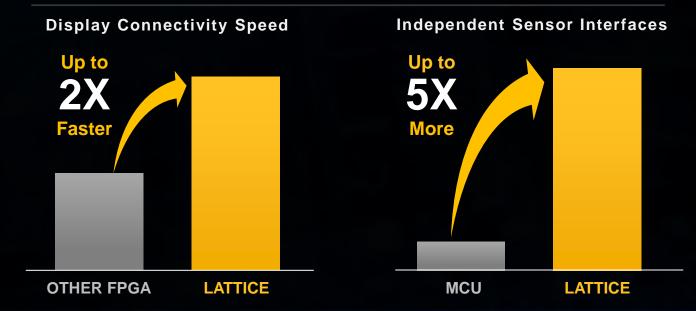


Display Connectivity: Multi resolution and display size compatibility

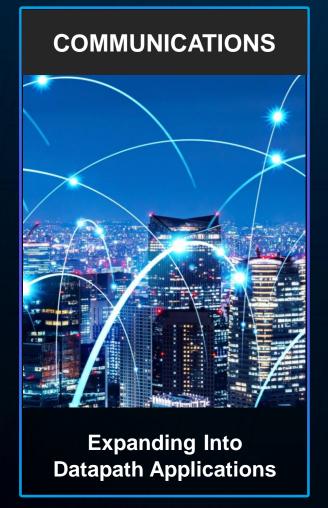
Sensor Aggregation: Ability to interface with multiple sensors simultaneously

Processing Data: Ability to process or co-process data to offload CPU

LATTICE ADVANCED CONNECTIVITY ADVANTAGE



Multiple Growth Drivers Across Core Markets









Leading the Industry in Low Power Programmability



2023 **LATTICE ANALYST & INVESTOR DAY**

FINANCIALS

Sherri Luther **Chief Financial Officer**



KEY FINANCIAL PRIORITIES

Strong
Revenue Growth

Continued

Margin Expansion

Substantial Cash Generation

Disciplined Capital Allocation

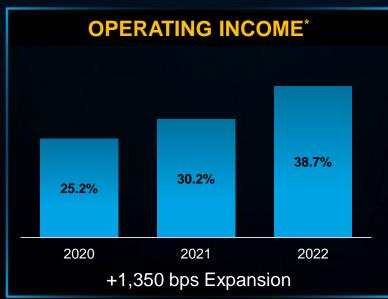


Outstanding Financial Performance

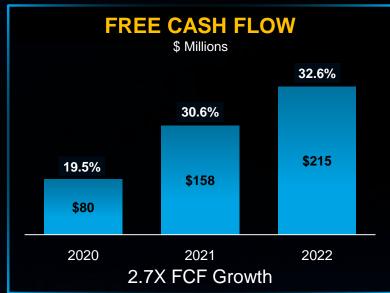






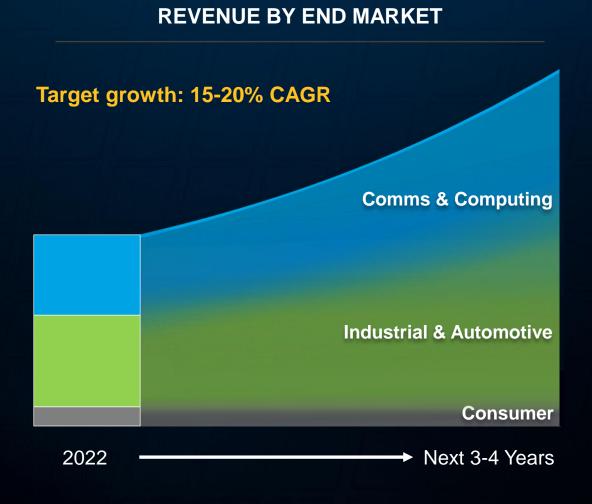








Raising Our Long-Term Revenue Growth Target



COMMUNICATIONS & COMPUTING

- Continued expansion in server \$ content
- Datacenter networking and 5G infrastructure
- Greenfield growth in client computing

INDUSTRIAL & AUTOMOTIVE

- New industrial robotics programs
- Industrial automation and safety
- New automotive electronics programs

CONSUMER

Potential for modest growth

Targeting Annual Growth of 15% to 20% Over Next 3 to 4 Years



Gross Margin Expansion



EXPANSION STRATEGIES

PRICING OPTIMIZATION

- Leadership product portfolio
- Maximize value with added functionality
- Higher software attach rate

PRODUCT MIX

Higher capacity & greater capability

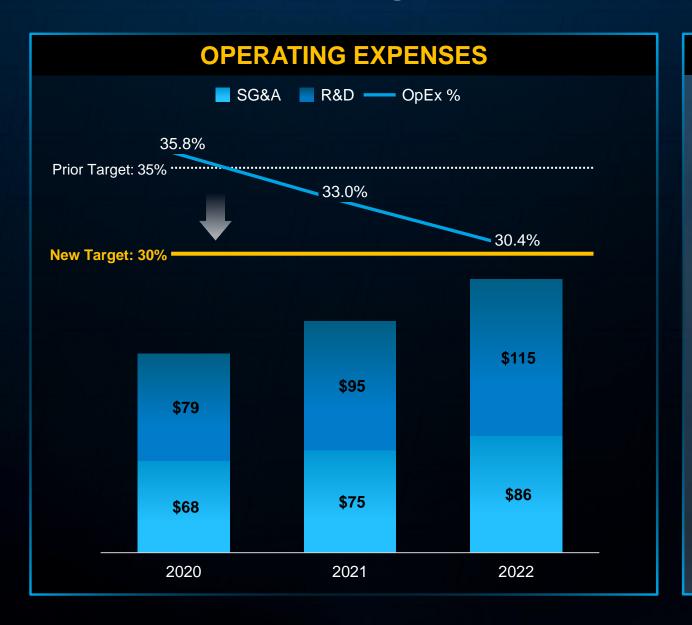
PRODUCT COST REDUCTIONS

- Operational improvements in yield & cycle times
- Long standing industry partnerships
- Multiyear agreements enable supply & capacity

Track Record of Driving Gross Margin Improvements



Investments for Long Term Growth



INVESTMENT STRATEGY

R&D INVESTMENTS

- Continuing to invest in portfolio expansion
- Expanding both hardware and software portfolio
- Target 18-20% of revenue

SG&A INVESTMENTS

- Investing in demand creation & customer support
- Gaining operational leverage on SG&A
- Target 10-12% of revenue



Record Profitability



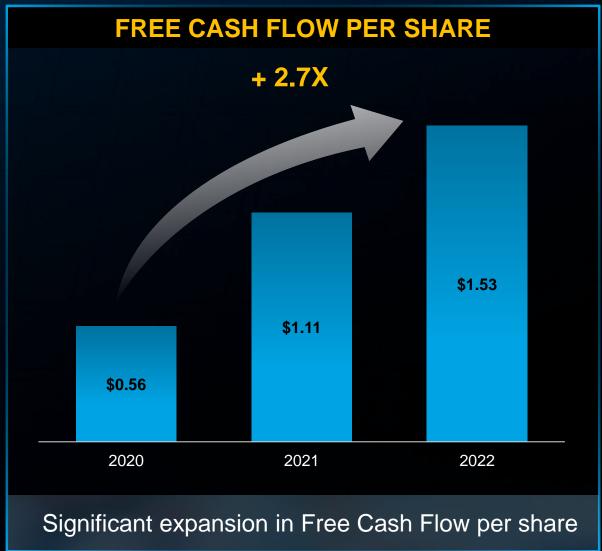


Raising Profitability Target to Low 40's



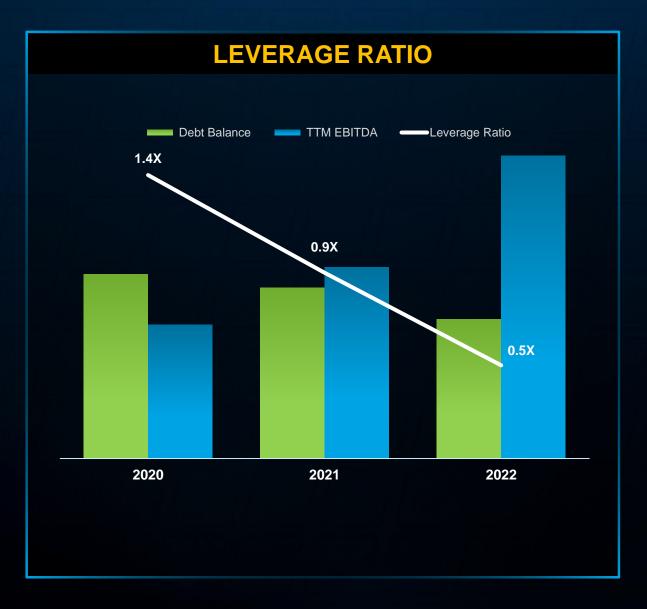
Substantial Cash Generation







Strong Balance Sheet



HIGHLIGHTS

- Record cash generation from operations
- Net Cash positive end of 2022

- Debt rating upgraded 3 times over the past 3 years
- Increased liquidity with access to \$350M revolver

Capital Allocation



STRATEGY

ORGANIC INVESTMENT

Portfolio expansion & demand creation

INORGANIC INVESTMENT

Mirametrix® acquired Nov. 2021

DEBT PAYDOWN

Debt leverage ratio of 0.5X

SHARE REPURCHASE

3.6M shares repurchased over the past 3 years

Remaining authorization of \$130M through Dec. 2023

Strong Organic Investments Fuel Long-term Growth



New Financial Target Model

	Old Model (2021)	New Target Model (Next 3 to 4 Years)		
Revenue Growth (YoY)	Low Double-digit	15-20%	Sustainable above-market growth	
Gross Margin	65%	Low 70's	Continued margin expansion opportunity	
OpEx	35%	30%	Investing in rapid portfolio expansion	
Operating Income	30%+	Low 40's	Continued strong profit growth	
FCF Margin	N/A	>30%	Significant cash generation	

Focused on Driving Long-term Shareholder Value



KEY FINANCIAL PRIORITIES

Strong
Revenue Growth

Continued Margin Expansion

Substantial Cash Generation

Disciplined Capital Allocation



2023 LATTICE ANALYST & INVESTOR DAY

WRAP UP

Jim Anderson
President & CEO









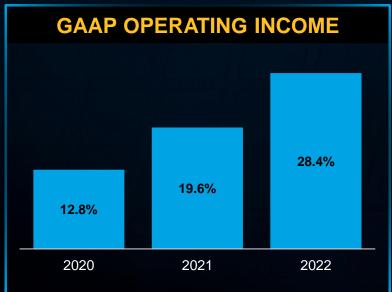
The Low Power Programmable Leader

GAAP Metrics













Gross Margin Reconciliation

(Thousands except percentages)	2022	2021	2020
GAAP Gross Margin	\$ 452,050	\$ 321,675	\$ 245,306
GAAP Gross Margin %	68.5%	62.4%	60.1%
Stock-based compensation expense	4,310	4,105	3,818
Non-GAAP Gross Margin	\$ 456,360	\$ 325,780	\$ 249,124
Non-GAAP Gross Margin %	69.1%	63.2%	61.0%



Operating Expenses Reconciliation

(Thousands except percentages)	2022	2021	2020
GAAP Operating expenses	\$ 264,683	\$ 220,859	\$192,940
% of Revenue	40.1%	42.9%	47.3%
Amortization of acquired intangible assets	(3,778)	(2,613)	(4,449)
Restructuring and other charges	(3,062)	(2,111)	(3,937)
Stock-based compensation expense	(54,119)	(46,113)	(38,324)
Litigation expense	(2,727)	-	-
Non-GAAP Operating expenses	\$200,997	\$170,022	\$146,230
% of Revenue	30.4%	33.0%	35.8%



R&D % and SG&A % Reconciliation

	2022	2021	2020
GAAP R&D Expense %	20.6%	21.4%	21.9%
Stock-based compensation	(3.2%)	(3.0%)	(2.7%)
Non-GAAP R&D Expense %	17.4%	18.4%	19.2%

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	2022	2021	2020
GAAP SG&A Expense %	18.5%	20.5%	23.4%
Stock-based compensation	(5.1%)	(5.9%)	(6.8%)
Litigation expense	(0.4%)	-	-
Non-GAAP SG&A Expense %	13.0%	14.6%	16.6%



Operating Income Reconciliation

(Thousands except percentages)	2022	2021	2020
GAAP Income from Operations	\$ 187,367	\$ 100,816	\$ 52,366
GAAP Income from Operations %	28.4%	19.6%	12.8%
Stock-based compensation – gross margin	4,310	4,105	3,818
Amortization of acquired intangible assets	3,778	2,613	4,449
Restructuring and other charges	3,062	2,111	3,937
Stock-based compensation – operations	54,119	46,113	38,324
Litigation expense	2,727	· .	-
Non-GAAP Income from Operations	\$ 255,363	\$ 155,758	\$ 102,894
Non-GAAP Income from Operations %	38.7%	30.2%	25.2%
Depreciation & Amortization	29,323	24,429	25,140
Non-GAAP EBITDA	\$ 284,686	\$180,187	\$ 128,034



Earnings Per Share Reconciliation

	2022	2021	2020
GAAP net income per share – diluted	\$ 1.27	\$ 0.67	\$ 0.34
Amortization of acquired intangible assets	0.03	0.02	0.03
Restructuring and other charges	0.02	0.02	0.02
Stock-based compensation expense	0.41	0.35	0.30
Loss on refinancing of long-term debt	0.01	-	-
Litigation expense	0.02	-	-
Tax effect of non-GAAP adjustments	(0.01)	-	-
Non-GAAP earnings per share – diluted	\$ 1.75	\$ 1.06	\$ 0.69



GAAP EBITDA

(Thousands except percentages)	2022	2021	2020
GAAP Net Income	\$ 178,882	\$ 95,922	\$ 47,392
Interest Expense	4,146	2,738	3,702
Income Taxes	3,230	1,704	1,064
Depreciation & Amortization	29,323	24,429	25,140
GAAP EBITDA	\$ 215,581	\$ 124,793	\$ 77,298



GAAP FCF

(Thousands except percentages)	2022	2021	2020
GAAP net cash provided by operating activities	\$ 238,806	\$ 167,722	\$ 91,687
Operating cash flow margin	36.2%	32.5%	22.5%
Capital expenditures	(23,338)	(9,835)	(12,121)
Free cash flow	\$ 215,468	\$ 157,887	\$ 79,566
Free cash flow margin	32.6%	30.6%	19.5%

