UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): May 8, 2019



(Exact name of registrant as specified in its charter)

Delaware (State or Other Jurisdiction of Incorporation) 000-06217 (Commission File Number)

2200 Mission College Blvd., Santa Clara, California (Address of principal executive offices) 94-1672743 (IRS Employer Identification No.)

95054-1549 (Zip Code)

Registrant's telephone number, including area code: (408) 765-8080

Not Applicable

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Dere-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company \Box

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Securities registered pursuant to Section 12(b) of the Act:

		Name of each exchange on which
Title of each class	Trading Symbol(s)	registered
Common stock, \$0.001 par value	INTC	The Nasdaq Global Select Market

Item 7.01 Regulation FD Disclosure.

On May 8, 2019, Intel Corporation ("Intel") held a publicly available webcast meeting for investors and the general public (the "Investor Meeting"). At the Investor Meeting, presentations discussing Intel's strategy, financial performance, and product roadmap, among other topics, were given by (1) Robert H. Swan, Chief Executive Officer; (2) Venkata S.M. ("Murthy") Renduchintala, Executive Vice President; Group President, Technology, Systems Architecture and Client Group, and Chief Engineering Officer; (3) Navin Shenoy, Executive Vice President; General Manager, Data Center Group; (4) Gregory M. Bryant, Senior Vice President; General Manager, Client Computing Group; and (5) George S. Davis, Executive Vice President; Chief Financial Officer. These presentations are attached as exhibits to this report.

These presentations and a recording of the webcast may also be found on Intel's Investor Relations website, www.intc.com.

The presentations contain forward-looking statements relating to Intel's financial plan as well as other statements that refer to future plans and expectations, including with respect to Intel's future technologies and the expected benefits of such technologies. Such statements involve a number of risks and uncertainties. Words such as "anticipates," "expects," "intends," "goals," "plans," "believes," "seeks," "estimates," "continues," "may," "will," "would," "should," "could," and variations of such words and similar expressions are intended to identify forward-looking statements. Statements that refer to or are based on estimates, forecasts, projections, uncertain events or assumptions, including statements relating to total addressable market (TAM) or market opportunity, future products and the expected availability and benefits of such products, and anticipated trends in our businesses or the markets relevant to them, also identify forward-looking statements. Such statements are based on current expectations and involve many risks and uncertainties that could cause actual results to differ materially from those expressed or implied in these forward-looking statements. Important factors that could cause actual results to differ materially from the company's expectations are set forth in Intel's most recent earnings release dated April 25, 2019, which is included as an exhibit to Intel's Form 8-K furnished to the Securities and Exchange Commission ("SEC") on such date. Additional information regarding these and other factors that could affect Intel's results is included in Intel's Annual Report on Form 10-K for the year ended December 29, 2018, filed with the SEC on February 1, 2019.

The information in Item 7.01 of this report is furnished and shall not be treated as filed for purposes of the Securities Exchange Act of 1934, as amended.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

The following exhibits are furnished as part of this report:

Number	Description
99.1	Investor Meeting Presentation on May 8, 2019 by Robert H. Swan
99.2	Investor Meeting Presentation on May 8, 2019 by Venkata S.M. ("Murthy") Renduchintala
99.3	Investor Meeting Presentation on May 8, 2019 by Navin Shenoy
99.4	Investor Meeting Presentation on May 8, 2019 by Gregory M. Bryant
99.5	Investor Meeting Presentation on May 8, 2019 by George S. Davis

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

INTEL CORPORATION (Registrant)

/s/ Steven R. Rodgers

Steven R. Rodgers Executive Vice President and General Counsel

Date: May 9, 2019



DISCLOSURES

This presentation contains non-GAAP financial measures. You can find the reconciliation of these measures to the most directly comparable GAAP financial measure in the Appendix at the end of this presentation. The non-GAAP financial measures disclosed by Intel should not be considered a substitute for, or superior to, the financial measures prepared in accordance with GAAP. Please refer to "Explanation of Non-GAAP Measures" in Intel's quarterly earnings release for a detailed explanation of the adjustments made to the comparable GAAP measures, the ways management uses the non-GAAP measures and the reasons why management believes the non-GAAP measures provide investors with useful supplemental information.

Statements in this presentation that refer to business outlook, future plans and expectations are forward-looking statements that involve a number of risks and uncertainties. Words such as "anticipates," "expects," "intends," "goals," "plans," "believes," "seeks," "estimates," "continues," "may," "will," "would," "should," "could," and variations of such words and similar expressions are intended to identify such forward-looking statements. Statements that refer to or are based on estimates, forecasts, projections, uncertain events or assumptions, including statements relating to total addressable market (TAM) or market opportunity, future products and the expected availability and benefits of such products, and anticipated trends in our businesses or the markets relevant to them, also identify forward-looking statements. Such statements are based on management's expectations as of May 8, 2019, unless an earlier date is indicated, and involve many risks and uncertainties that could cause actual results to differ materially from those expressed or implied in these forward-looking statements. Important factors that could cause as an exhibit to Intel's Form 8-K furnished to the SEC on such date. Additional information regarding these and other factors that could affect Intel's results is included in Intel's SEC filings, including the company's most recent reports on Forms 10-K and 10-Q. Copies of Intel's Form 10-K, 10-Q and 8-K reports may be obtained by visiting our Investor Relations website at www.intc.com or the SEC's website at www.sec.gov.

All information in this presentation reflects management's views as of May 8, 2019, unless an earlier date is indicated. Intel does not undertake, and expressly disclaims any duty, to update any statement made in this presentation, whether as a result of new information, new developments or otherwise, except to the extent that disclosure may be required by law.

(intel) 2016 INVESTOR MEETING



WE'VE EXPANDED OUR TAM... ACCELERATING TRANSFORMATION TO A DATA-CENTRIC COMPANY

> EXTEND PRODUCT LEADERSHIP ADVANTAGE... FROM CPU TO XPU

IMPROVE EXECUTION... ACCELERATE INNOVATION... EVOLVE CULTURE

DISCIPLINED INVESTMENT... PROFITABLE GROWTH... ATTRACTIVE CAPITAL RETURNS

(intel) 2016 INVESTOR MEETING





WHAT WE SAID IN 2017...





DATA-CENTRIC

Increased revenue by \$9B since '16

PC-CENTRIC

Record profitability in declining market Significant FCF

VS 3-YR GUIDE Beat revenue by \$6.7B and EPS by \$1.27

OVER THE 3 YEARS... ADDED ~\$12B IN REVENUE... ON LOWER SPENDING... WITH ~64% INCREASE IN EPS

Data-centric businesses include DCG, IOTG, Mobileye, NSG, PSG and All Other. Growth from 2016 to 2019 \$2.58 of revenue from McAfee and Wind River which have been divested in 2017 and 2018, respectively. 6

WE HAVE AN OPPORTUNITY TO LEAD ONE OF THE MOST SUCCESSFUL TRANSFORMATIONS IN CORPORATE HISTORY

...BUT IT WON'T BE EASY

INVESTOR MEETING

OUR STRATEGY

MAKE THE WORLD'S BEST SEMICONDUCTORS

LEAD THE AI, 5G, AND AUTONOMOUS REVOLUTION

BE THE LEADING END TO END PLATFORM PROVIDER FOR THE NEW DATA WORLD

RELENTLESS FOCUS ON OPERATIONAL EXCELLENCE & EFFICIENCY

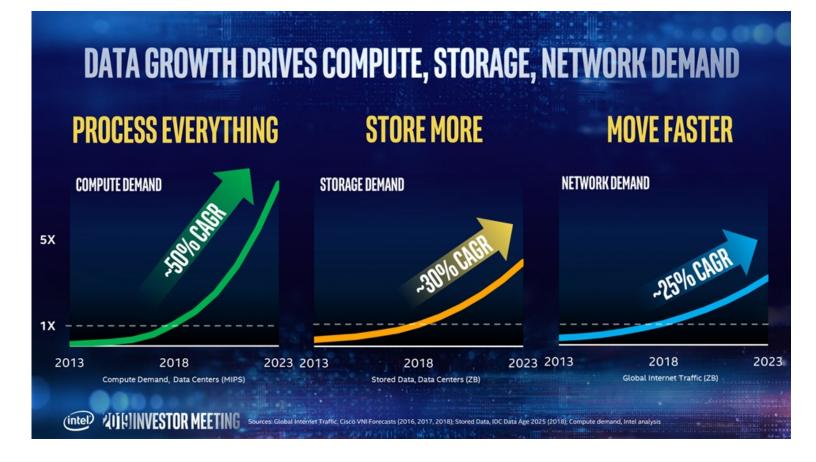
CONTINUE TO HIRE, DEVELOP AND RETAIN THE BEST, MOST DIVERSE & INCLUSIVE TALENT

(intel) (U)(())NVESTOR MEETING

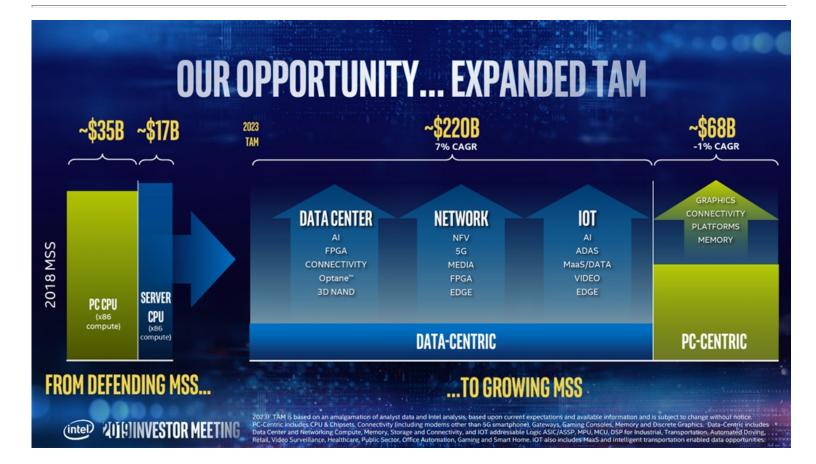












OUR PLAN OF ATTACK

- Lead technology inflections
- Extend product leadership... redefine Intel Inside
- Make big bets... with attractive returns
- Focus on execution
- Evolve our culture
- Lead CSR and D&I

Intel WIKINVESTOR MEETING

OUR GAME PLAN... LEADING TECHNOLOGY INFLECTIONS

ARTIFICIAL INTELLIGENCE

AI unlocks value from data, enables new business models and experiences **5**G

5G transforms the network, increases consumption of datarich experiences

AUTONOMOUS SYSTEMS

Autonomous systems require real-time analysis of data flows, drive new compute, network architectures

...AND PLAYING A LARGER ROLE IN OUR CUSTOMERS' SUCCESS

Intel AUSKIINVESTOR MEETING

OUR GAME PLAN... Extending product leadership

WORKLOAD-OPTIMIZED PLATFORMS, EFFORTLESS CUSTOMER & DEVELOPER INNOVATION

SECURITY INTERCONNECT MEMORY

SOFTWARE

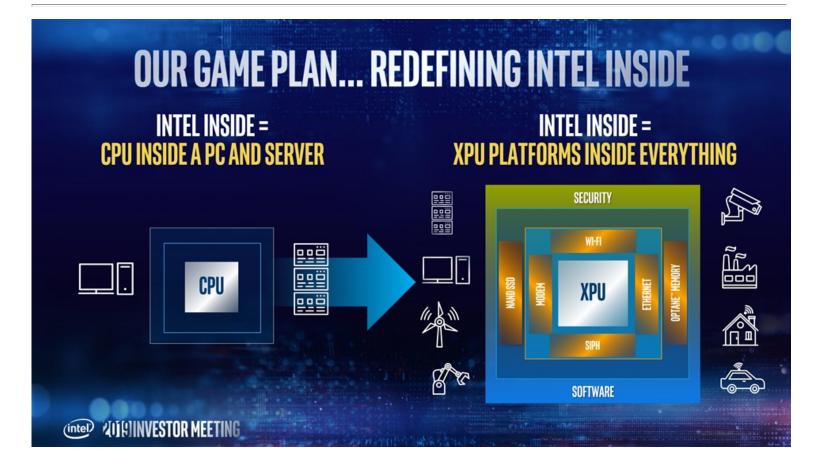
NARCHITECTURES

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INVESTOR MEETING



OUR GAME PLAN... INVESTING IN PROCESS LEADERSHIP

EXTEND 14nm

Build Capacity to Support Customer Growth

RAMP 10NM

Client Systems on Shelf for 2019 Holiday Season Server in 1H'20

VS. TSMC 10NM

VS. TSMC 7NM

ACCELERATE TO 7NM

Production and Launch in 2021

VS. TSMC 5NM

WORLD CLASS PACKAGING TECHNOLOGY COMPLEMENTS PROCESS LEADERSHIP

Intel WIFINVESTOR MEETING

OUR GAME PLAN... MAKING BIG BETS OUR INVESTMENTS MUST...

...ADDRESS THE LEADING EDGE OF A TECHNOLOGY INFLECTION...

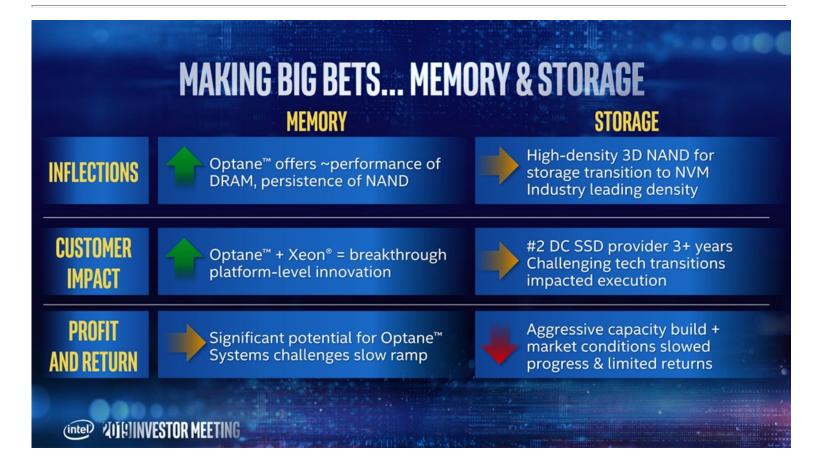
...ALLOW US TO PLAY A LARGER ROLE IN THE SUCCESS OF OUR CUSTOMERS...

...OFFER A CLEAR PATH TO PROFITABILITY/ATTRACTIVE RETURNS...

...WITH REGULAR EVALUATION

(Intel WISKINVESTOR MEETING

MAKING BIG BETS MODEM		
INFLECTIONS	Influencing and shaping 5G standards World class 5G modem IP ready for 2020 industry ramp	
CUSTOMER Impact	Built momentum and won share at 4G/LTE High customer concentration	
PROFIT And Return	Unprofitable despite share and scale Evaluating options to maintain modem capabilities for PC/IOT Significant outside interest in our modem team, technology, and IP	
intel 2014 INVESTOR ME	ETING	



MAKING BIG BETS AUTONOMOUS SYSTEMS MOBILEYE		
INFLECTIONS	ADAS penetration rising globally, growing from 30% to 70% by '23 ¹ L4/5 AV designs on track for 2021, enabling a MaaS opportunity Data services such as REM present new adjacent opportunities	
CUSTOMER Impact	>60% global ADAS market segment share L2+ designs w OEMs representing >50% of global vehicle production Real-time crowdsourced map tech, customers launching new data svcs	
PROFIT And Return	Revenue up ~2x in 2 yrs ² ; positive OM contribution, in line w/deal thesis	
Internal analysis 2017 revenue compared to 2019 revenue; 2017 revenue includes revenue prior to acquisition in Aug*17.		

OUR GAME PLAN... IMPROVING OUR EXECUTION Delivering in 2019

MEET CUSTOMER DEMAND



Investing to ensure we don't constrain growth

RECOUP PROCESS LEADERSHIP



On track to full-year 10nm shipment goals

DELIVER WITH PREDICTABILITY



Ice Lake and Lakefield for client Cascade Lake, AgileX™, Teton Glacier for data-centric

(intel) (U)(())NVESTOR MEETING

OUR GAME PLAN... IMPROVING OUR EXECUTION

Spending % of Revenue

RELENTLESS FOCUS ON THINGS THAT MATTER MOST

intel 2014 INVESTOR MEETING







OUR GAME PLAN... LEADING IN CORPORATE RESPONSIBILITY

We are a recognized leader in corporate responsibility and take action to advance progress in environmental sustainability, supply chain responsibility, and social impact.



(Intel) (U) (C) INVESTOR MEETING

OUR GAME PLAN... ENABLING A DIVERSE & INCLUSIVE ENVIRONMENT

INNOVATIVE & INCLUSIVE TALENT



2019 INVESTOR MEETING

2 YEARS EARLY MET OUR 2020 U.S. WORKFORCE DIVERSITY GOAL

(intel)

INNOVATIVE SUPPLY CHAIN



S1B ANNUALLY GLOBAL INITIATIVE TO SPEND WITH DIVERSE-OWNED BUSINESSES BY 2020 TO GENERATE AN INCLUSIVE SUPPLY CHAIN

www.intel.com/diversity

COMPREHENSIVE WORKFORCE PAY



EQUITY FOR GLOBAL GENDER PAY Closed the gap of average pay between Employees of different genders in similar Roles creating inclusive workplace

OVER THE NEXT 3 YEARS.

REVENUE GROWTH

Low-single digit growth, \$76B-\$78B

Data-Centric businesses high-single digit growth

PC-Centric business ~flat to slightly down

OPERATING EFFICIENCY

Operating Margin ~32%

Gross Margins declines offset by spending leverage and 5G smartphone modem exit

EARNINGS/FCF

EPS growth in line with revenue

FCF growing faster than earnings

n and are subject to change without notice

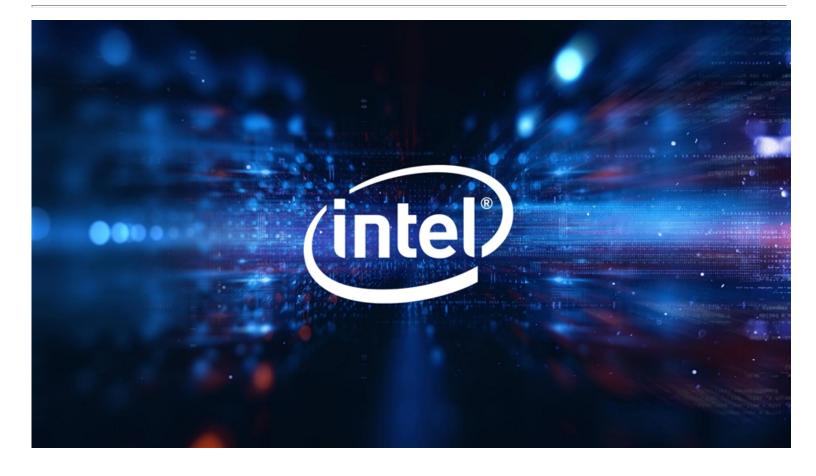
CLOSING FCF/EARNINGS GAP (>80%)... ATTRACTIVE CAPITAL RETURNS

(Intel) UIKINVESTOR MEETING Operating margin, gross, margin, EPS, and FCF are non-GAAP. Forecasts are intel estimates, based upon current expectations a



SPEAKERTOPICMurthy RenduchintalaProduct LeadershipWalk-on: Raja KoduriProduct LeadershipNavin ShenoyThe Data-Centric OpportunityWalk-On: Sandra RiveraThe Transformation of the PC SectorGregory BryantThe Transformation of the PC SectorGeorge DavisA Focus on Performance

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RECONCILIATION OF NON-GAAP

	2018	Outlook Approximately
GAAP OPERATING MARGIN	33%	30%
Amortization of acquisition-related intangible assets	2%	2%
NON-GAAP OPERATING MARGIN	35%	32%
GAAP EARNINGS PER SHARE	\$4.48	\$4.14
Inventory valuation adjustments	—	—
Amortization of acquisition-related intangible assets	0.28	0.29
Other acquisition-related charges	—	—
Restructuring and other charges	(0.02)	—
(Gains) losses from divestitures	(0.11)	_
Ongoing mark-to-market on marketable equity securities	0.03	(0.06)
Tax reform	(0.06)	—
Income tax effect	(0.02)	(0.02)
NON-GAAP EARNINGS PER SHARE	4.58	\$4.35

Forward-looking non-GAAP measures relating to fiscal years 2020 and beyond represent targets and are based on internal forecasts subject to significant uncertainty. We are unable to provide a full reconciliation of such measures to GAAP measures without unreasonable efforts as we cannot predict the amount or timing of certain elements that are included in reported GAAP results and that may significantly affect GAAP results, including acquisition-related adjustments, ongoing mark-to-market adjustments on marketable equity securities, and other non-recurring events or transactions. In addition, certain comparable GAAP measures such as net cash provided by operating activities are difficult to accurately estimate for such time frames and are dependent on future events. We believe such a reconciliation would also imply a degree of precision that could be confusing or inappropriate for these forward-looking measures.

(Intel) 2016 INVESTOR MEETING



2019INVESTOR MEETING PRODUCT LEADERSHIP

DR. MURTHY RENDUCHINTALA

Chief Engineering Officer, Intel Group President, TSCG



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All information in this presentation reflects management's views as of May 8, 2019, unless an earlier date is indicated. Intel does not undertake, and expressly disclaims any duty, to update any statement made in this presentation, whether as a result of new information, new developments or otherwise, except to the extent that disclosure may be required by law.

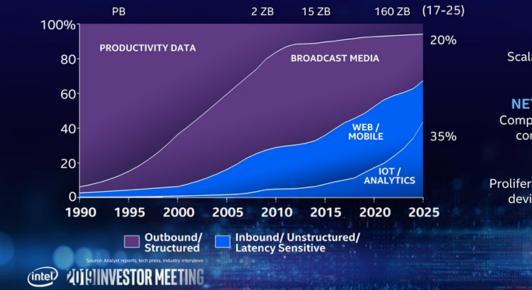




DRIVING FORCE OF DATA-CENTRIC TRANSFORMATION

CAGR

DIGITAL DATA GENERATED



DATA-CENTRIC TRANSITIONS

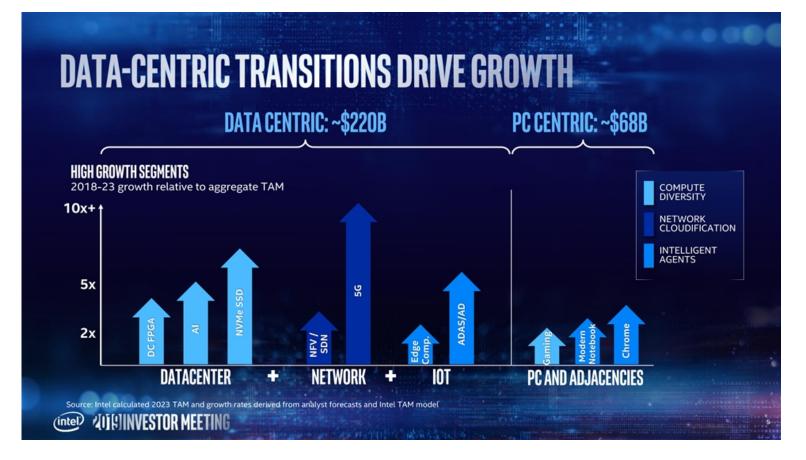
COMPUTE DIVERSITY Scalar, vector, spatial - AI, graphics, media, analytics

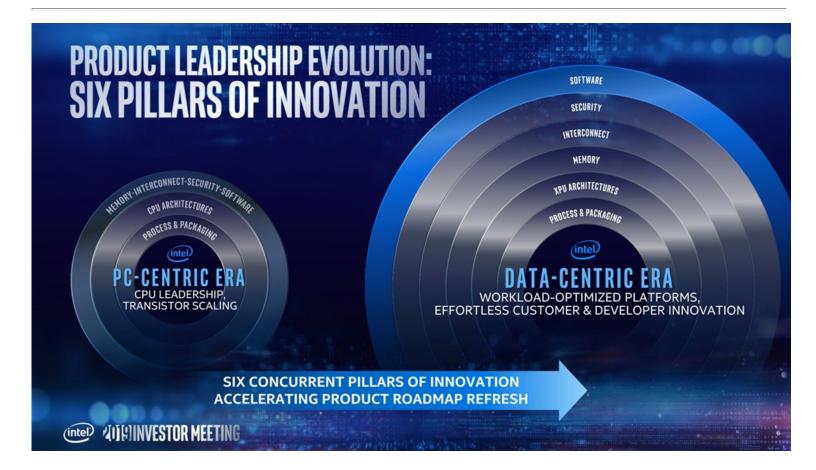
NETWORK CLOUDIFICATION

Compute & storage distributed across core, access, and edge networks

INTELLIGENT AGENTS

Proliferation of autonomous / AI-enabled devices, things, and edge gateways





DATA-CENTRIC PRODUCT LEADERSHIP

SW portability, reusability and performance grows in value with compute diversity

Confidentiality, integrity and resiliency become increasingly critical

Increased data movement makes interconnects critical to the platform

Memory bandwidth/latency/cost critical to handle data

Data-centric workloads require scalar, vector, matrix and spatial compute: xPUs

Compute diversity benefits from process and packaging diversity

SOFTWARE

INTERCONNECT

MEMORY

KPU ARCHITECTURES

PROCESS & PACKAGING

(intel)

DATA-CENTRIC ERA WORKLOAD-OPTIMIZED PLATFORMS, EFFORTLESS CUSTOMER & DEVELOPER INNOVATION

(intel) 2016 INVESTOR MEETING

PROCESS TECHNOLOGY & PACKAGING

PC-CENTRIC TRANSISTOR SCALING & MONOLITHIC INTEGRATION



One process design point for all products Monolithic integration Product restricted by reticle

intel AUIRINVESTOR MEETING

DATA-CENTRIC

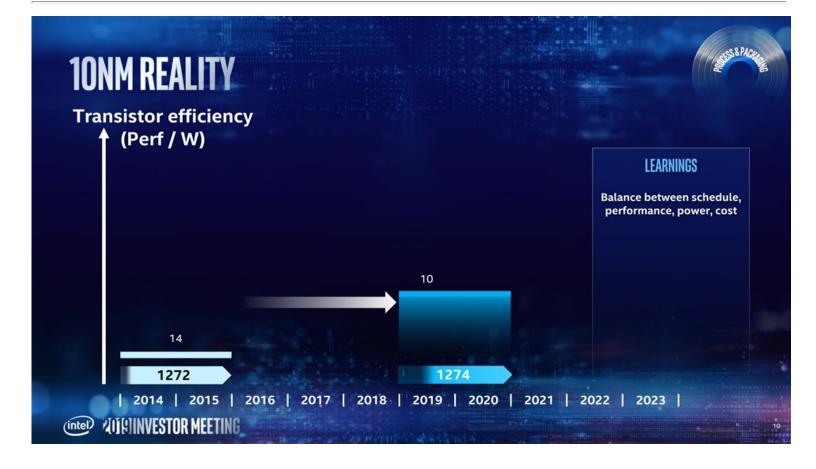
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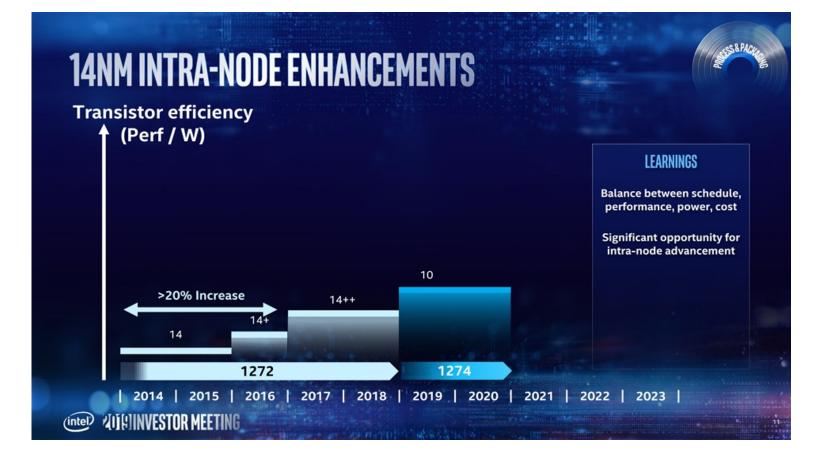
HETEROGENEOUS PROCESSES & INTEGRATION

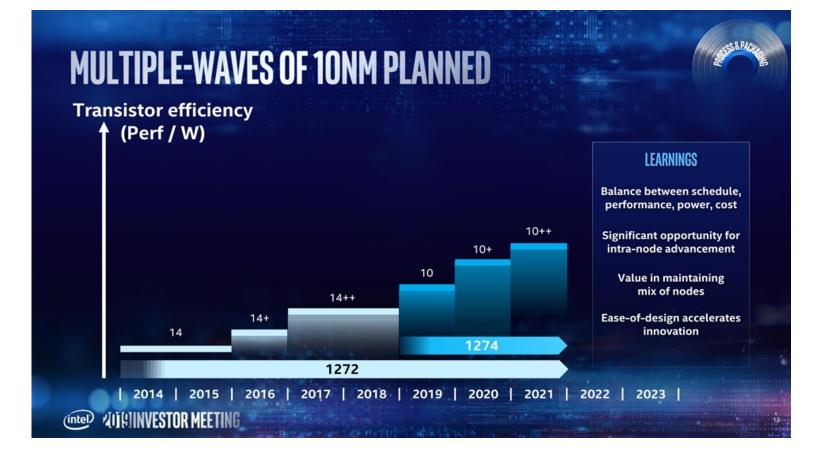


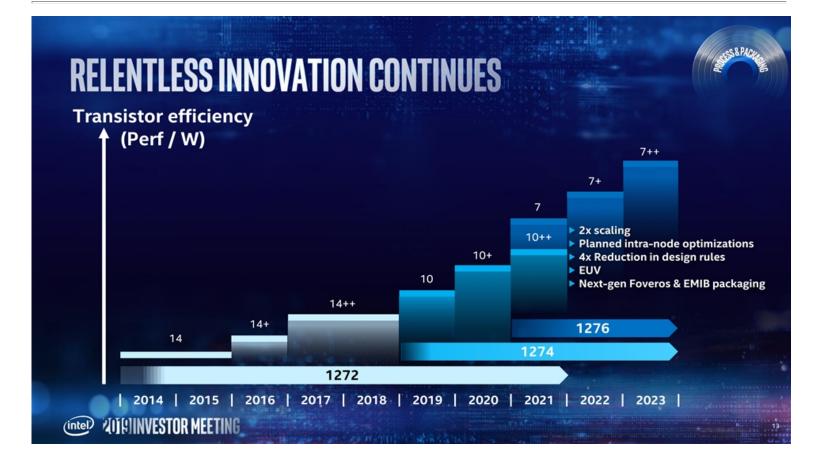
Multiple processes optimized for individual IPs Multi-chip integration with advanced packaging Product unconstrained by reticle

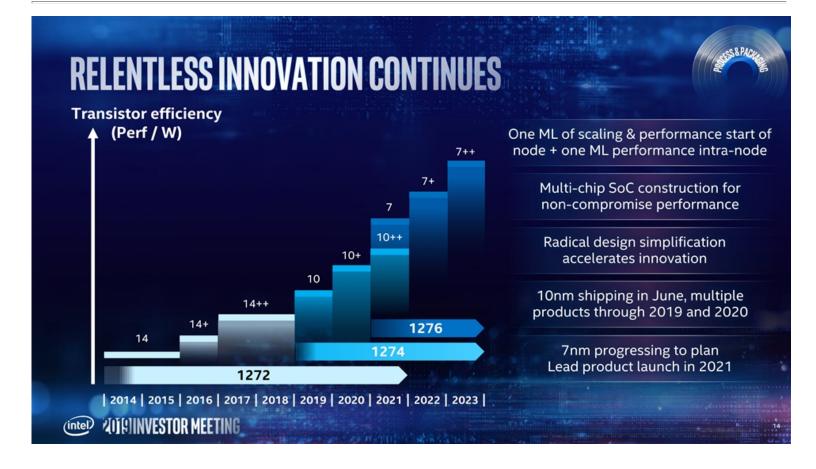


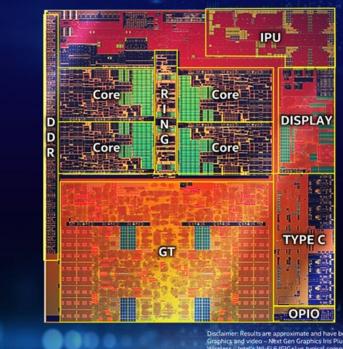












10NM ICE LAKE CLIENT Shipping in June

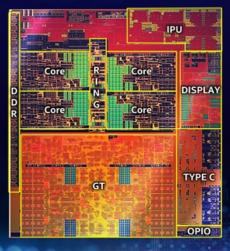
SISS&PACH

APPROX. 2X Graphics Performance

2.5X-3X AI Performance 2X Video Encode 3X Wireless Speeds

intel AUIKIINVESTOR MEETING

10NM ICE LAKE CLIENT Shipping in June



Multiple Product Launches Across Entire Portfolio Through 2019 and 2020

STESS & PACK

Xeon CPU | GP-GPU | Al Inference FPGA | 5G/Networking ...

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SOFTWARE LEADERSHIP

SOFTWARE

SECURITY

For every order of magnitude performance from new hardware, there is >2 orders of magnitude unlocked by software

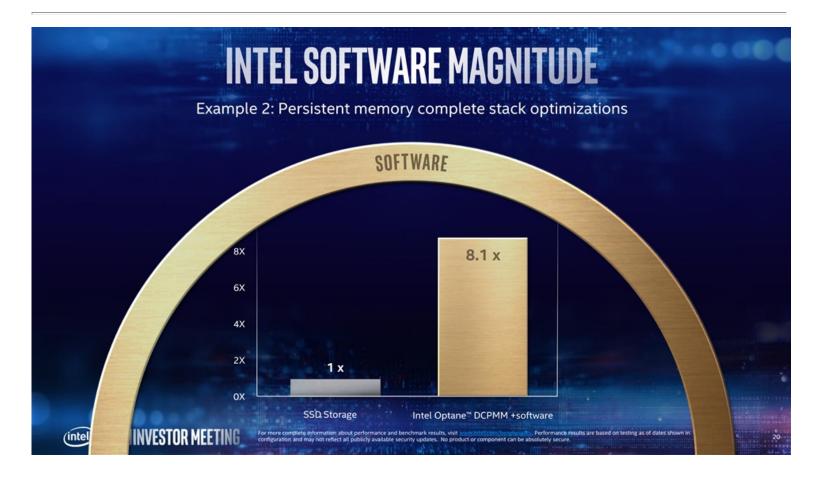
Raja Koduri

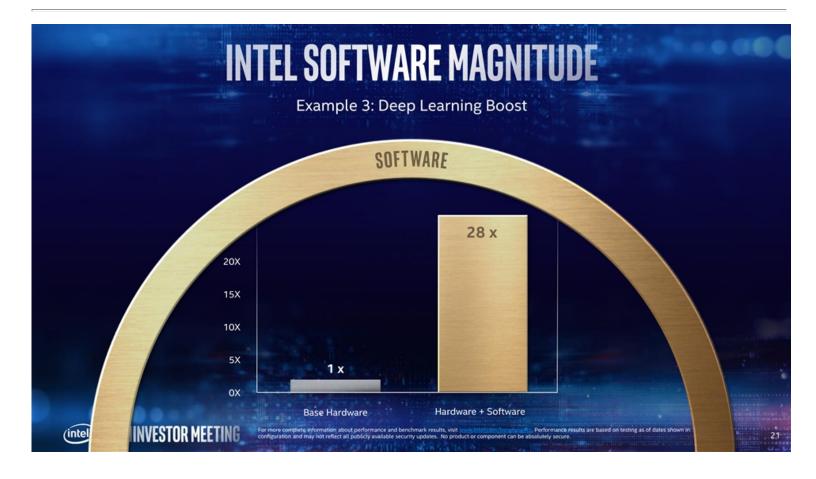
Chief Architect, SVP Intel Architecture, Graphics and Software

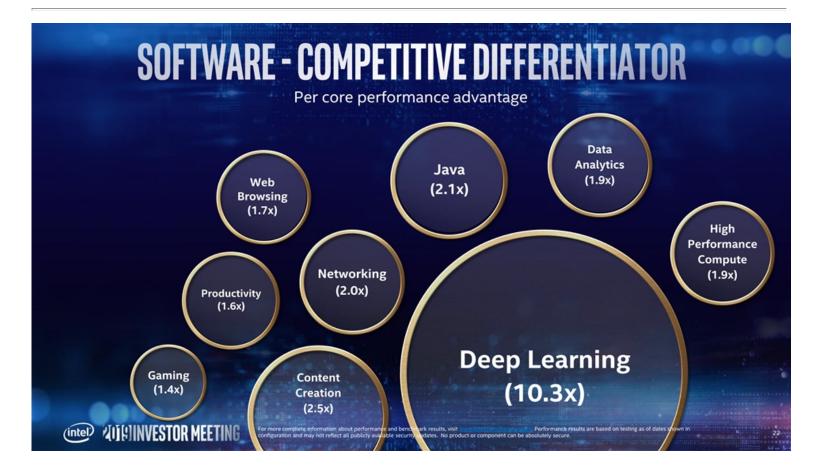
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INVESTOR MEETING









SOFTWARE LEADERSHIP



>15,000 software engineers

#1 contributor to Linux kernel; >1/2 million lines of code modified each year

> 100 operating systems optimized

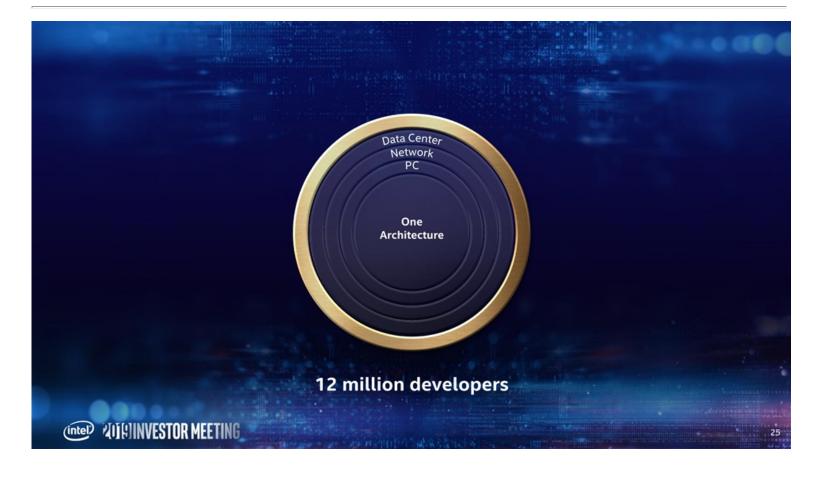
top three contributors to Chromium OS

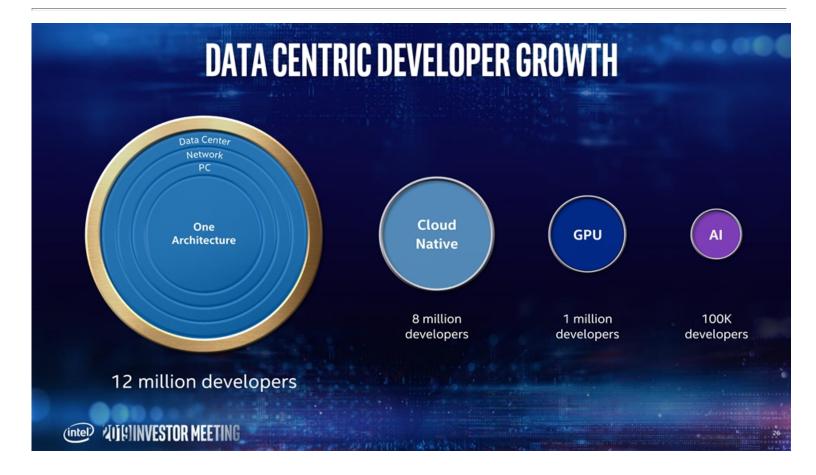
>10,000 high touch customer deployments

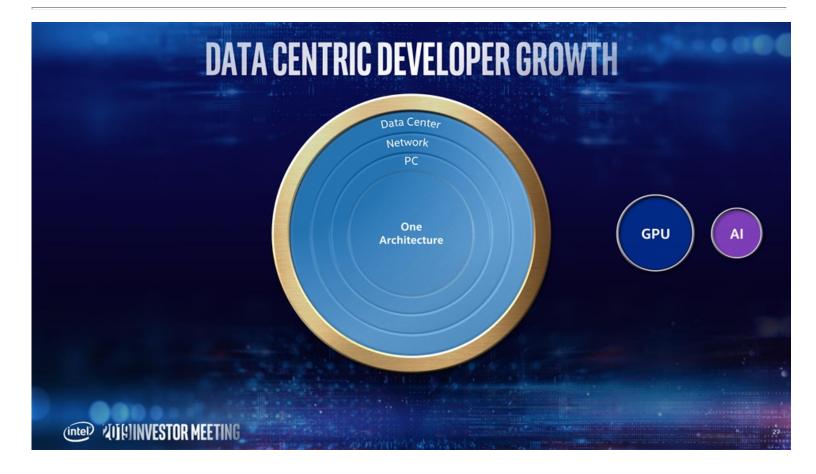
top 10 contributor to Openstack

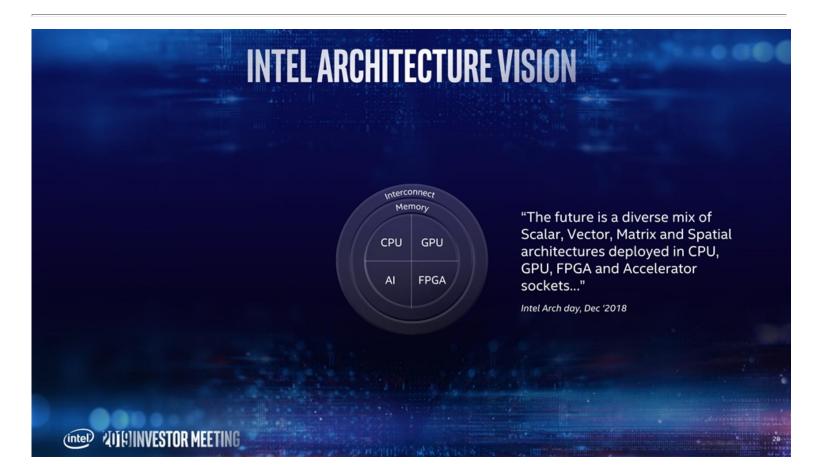
>12 million developers

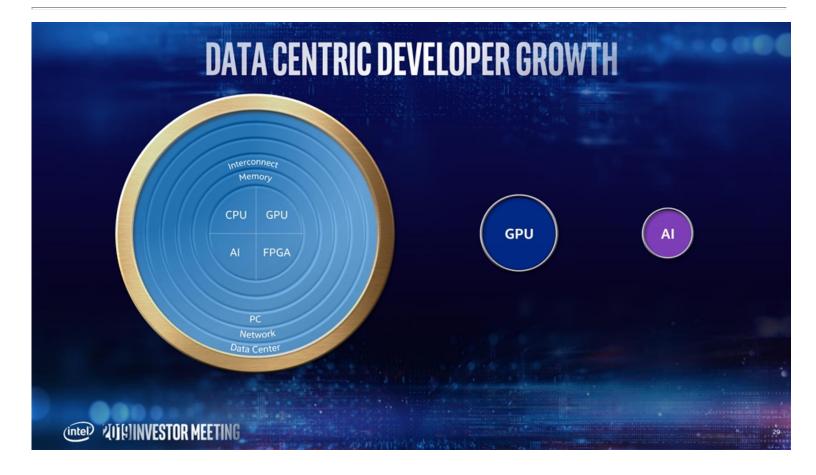


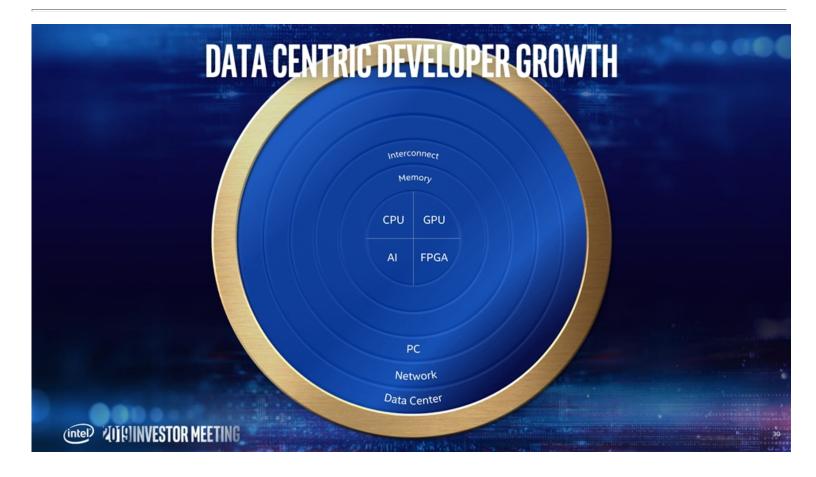


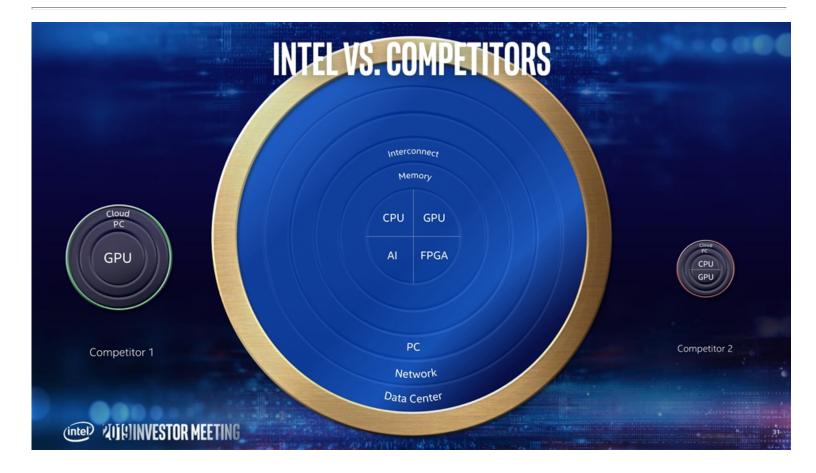












INTEL SOFTWARE MISSION

simple and scalable

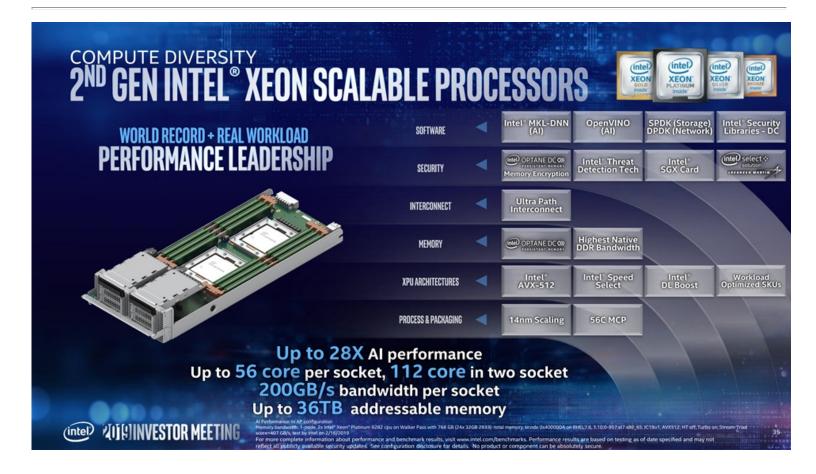
open

one developer experience

intel AUIKIINVESTOR MEETING









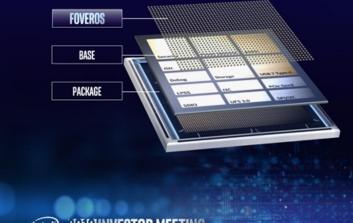


INTELLIGENT AGENTS



Chipset Power Delivery Ultra low power logic - P1222

INTELLIGENT AGENTS



FOVEROS

Scalable 3D silicon interconnect Ultra low-power: 0.15 pico Joules / bit High bandwidth: 2-3X 2.5D interposer Scalable power delivery: 3W-1KW High yield process for die stacking

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INTELLIGENT AGENTS









Data drives extraordinary opportunities for growth

Intel products & methods targeted to win data-centric growth with six pillar innovation model

You will see this in our product leadership

(Intel) 2016 INVESTOR MEETING



CONFIGURATION DISCLOSURE

Performance results are based on testing as of dates shown in configuration and may not reflect all publicly available security updates. See configuration disclosure for details. No product or component can be absolutely secure. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit www.intel.com/benchmarks.

Approx. 3x Ice Lake Wireless Speeds: 802.11ax 2x2 160MHz enables 2402Mbps maximum theoretical data rates, ~3X (2.8X) faster than standard 802.11ac 2x2 80MHz (867Mbps) as documented in IEEE 802.11 wireless standard specifications, and require the use of similarly configured 802.11ax wireless network routers.

Approx. 2x Ice Lake Video Encode: Based on 4k HEVC to 4k HEVC transcode (8bit). Intel preproduction system, ICL 15w compared to WHL 15w. Measured by Intel as of April 2019.

Approx. 2x Ice Lake Graphics Performance: Workload: 3DMark11 v 1.0.132. Intel PreProduction ICL U4+2 15W Configuration (Assumptions):, Processor: Intel® Core™ i7 (ICL-U 4+2) PL1=15W TDP, 4C8T, Memory: 2x8GB LPDDR4-3733 2Rx8, Storage: Intel® 760p m.2 PCIe NVMe SSD with AHCI Microsoft driver, Display Resolution: 3840x2160 eDP Panel 12.5*, OS: Windows* 10 RS5-17763.316, Graphics driver: PROD-H-RELEASES_ICL-PV-2019-04-09-1006832. Vs config – Intel PreProduction WHL U4+2 15W Configuration (Measured), Processor: Intel® Core ™ i7-8565U (WHL-U4+2) PL1=15W TDP, 4C8T, Turbo up to 4.6Ghz, Memory: 2x8GB DDR4-2400 2Rx8, Storage: Intel® 760p m.2 PCIe NVMe SSD with AHCI Microsoft driver, Display Resolution: 3840x2160 eDP Panel 12.5*, OS: Windows* 10 RS4-17134.112., Graphics driver: 100.6195. Measured by Intel as of April 2019.

Approx. 2.5x-3x Ice Lake AI Performance: Workload: images per second using AIXPRT Community Preview 2 with Int8 precision on ResNet-50 and SSD-Mobilenet-v1 models. Intel preproduction system, ICL-U, PL1 15w, 4C/8T, Turbo TBD, Intel Gen11 Graphics, GFX driver preproduction, Memory 8GB LPDDR4X-3733, Storage Intel SSD Pro 760P 256GB, OS Microsoft Windows 10, RS5 Build 475, preprod bios. Vs. Config – HP spectre x360 13t 13-ap0038nr, Intel® Core™ i7-8565U, PL1 20w, 4C/8T, Turbo up to 4.6Ghz, Intel UHD Graphics 620, Gfx driver 26.20.100.6709, Memory 16GB DDR4-2400, Storage Intel SSD 760p 512GB, OS – Microsoft Windows 10 RS5 Build 475 Bios F.26. Measured by Intel as of April 2019.

(Intel) (4) I (F) INVESTOR MEETING

CONFIGURATION DISCLOSURE

2nd Gen Intel® Xeon Scalable Processors up to 28X AI Performance: Based on Intel internal testing: 28x performance improvement based on Intel® Optimization for Café ResNet-50 inference throughput performance on Intel® Xeon® Scalable Processor.

28x inference throughput improvement on Intel® Xeon® Platinum 9282 processor with Intel® DL Boost: Tested by Intel as of 2/26/2019. Platform: Dragon rock 2 socket Intel® Xeon® Platinum 9282(56 cores per socket), HT ON, turbo ON, Total Memory 768 GB (24 slots/ 32 GB/ 2933 MHz), BIOS:SE5C620.86B.0D.01.0241.112020180249, Centos 7 Kernel 3.10.0-957.5.1.el7.x86_64, Deep Learning Framework: Intel® Optimization for Caffe version: https://github.com/intel/caffe/d554cbf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe/blob/master/models/intel_optimized_models/int8/resnet50_int8_full_conv.protobt, BS=64, No datalayer syntheticData:3x224x224, 56 instance/2 socket, Datatype: INT8 vs. Tested by Intel as of July 11th 2017: 2S Intel® Xeon® Platinum 8180 CPU @ 2.50GHz (28 cores), HT disabled, turbo disabled, scaling governor set to "performance" via intel_pstate driver, 384GB DDR4-2666 ECC RAM. CentOS Linux release 7.3.1611 (Core), Linux kernel 3.10.0-514.10.2.el7.x86_64. SSD: Intel® SSD DC S3700 Series (800GB, 2.5in SATA 6Gb/s, 25nm, MLC).Performance measured with: Environment variables: KMP_AFFINITY='granularity=fine, compact', OMP_NUM_THREADS=56, CPU Freq set with copuover frequency-set -d 2.5G -u 3.8G -g performance. Caffe: (http://github.com/intel/caffe/), revision f96b759f71b2281835f690af267158b82b150b5c. Inference measured with "caffe time -conward_only" command, training measured with "caffe time" command. For "ConvNet" topologies, synthetic dataset was used. For other topologies, data was stored on local storage and cached in memory before training. Topology specs from https://github.com/intel/caffe/tree/master/models/intel_optimized_models (ResNet-50). Intel C++ compiler ver. 17.0.2 20170213, Intel MKL small libraries version 2018.0.20

Performance results are based on testing as of 2/26/2019 (28x) and may not reflect all publically available security updates. No product can be absolutely secure. See configuration disclosure for details.



CONFIGURATION DISCLOSURE

Approx. 10x Lakefield Standby SoC Power Improvement: Estimated or simulated as of April 2019 using Intel internal analysis or architecture simulation or modeling. Vs. Amber Lake.

Approx. 1.5x-2x Lakefield Active SoC Power Improvement: Estimated or simulated as of April 2019 using Intel internal analysis or architecture simulation or modeling. Workload: 1080p video playback. Vs. Amber Lake next-gen product.

Approx. 2x Lakefield Graphics Performance: Estimated or simulated as of April 2019 using Intel internal analysis or architecture simulation or modeling. Workload: GfxBENCH. LKF 5W & 7W Configuration (Assumptions): Processor: LKF PL1=5W & 7W TDP, 5C5T, Memory: 2X4GB LPDDR4x - 4267MHz, Storage: Intel® 760p m.2 PCIe NVMe SSD; LKF Optimized Power configuration uses UFS, Display Resolution: 1920x1080 for Performance; 25x14 eDP 13.3" and 19x12 MIPI 8.0" for Power, OS: Windows" 10 RS5. Power policy set to AC/Balanced mode for all benchmarks except SYSmark 2014 SE which is measured in AC/BAPCo mode for Performance. Power policy set to DC/Balanced mode for power. All benchmarks run in Admin mode., Graphics driver: XX Vs. Configuration Data: Intel® Core™ AML Y2+2 5W measurements: Processor: Intel® Core™ i7-8500Y processor, PL1=5.0W TDP, 2C4T, Turbo up to 4.2GHz/3.6GH2, Memory: 2x4GB LPDDR3-1866MH2, Storage: Intel® 760p m.2 PCle NVMe SSD, Display Resolution: 1920x1080 for Performance; 25x14 eDP 13.3" for Power, OS: Windows' 10 RS5. Power policy set to AC/Balanced mode, Graphics driver: XX Vs. Configuration Data: Intel® Core™ AML Y2+2 5W measurements: Processor: Intel® Core™ i7-8500Y processor, PL1=5.0W TDP, 2C4T, Turbo up to 4.2GHz/3.6GH2, Memory: 2x4GB LPDDR3-1866MH2, Storage: Intel® 760p m.2 PCle NVMe SSD, Display Resolution: 1920x1080 for Performance; 25x14 eDP 13.3" for Power, OS: Windows' 10 Build RS3 17134.112. SYSmark 2014 SE is measured in BAPCo power plan. Power policy set to DC/Balanced mode for power. All benchmarks run in Admin mode, Graphics driver: driver:whl.1006167-v2.



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THE DATA-CENTRIC OPPORTUNITY IS MASSIVE LARGEST OPPORTUNITY IN INTEL'S HISTORY, OVER \$200B TAM BY 2023

INDUSTRY MEGA-TRENDS LEVERAGE OUR STRENGTHS ARTIFICIAL INTELLIGENCE, CLOUD, CLOUDIFICATION OF NETWORK | EDGE

INTEL HAS AN UNPARALLELED ARRAY OF ASSETS TO FUEL GROWTH

PORTFOLIO OF LEADERSHIP PRODUCTS TO MOVE, STORE AND PROCESS DATA

2019 INVESTOR MEETING (intel)

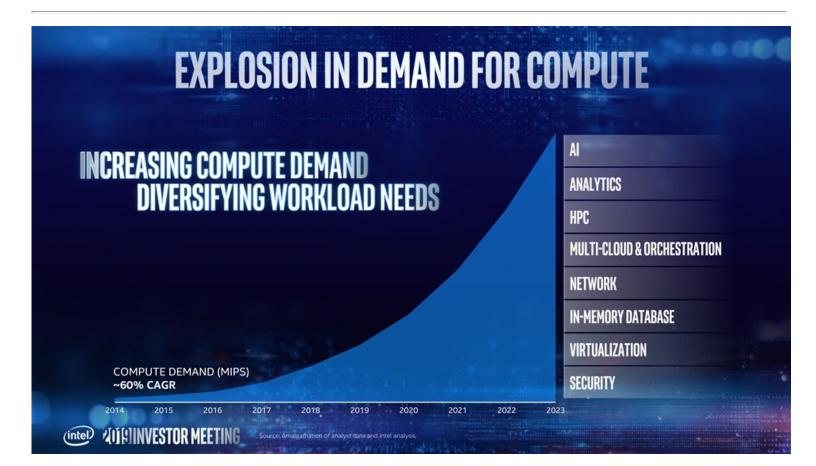
INDUSTRY MEGA-TRENDS

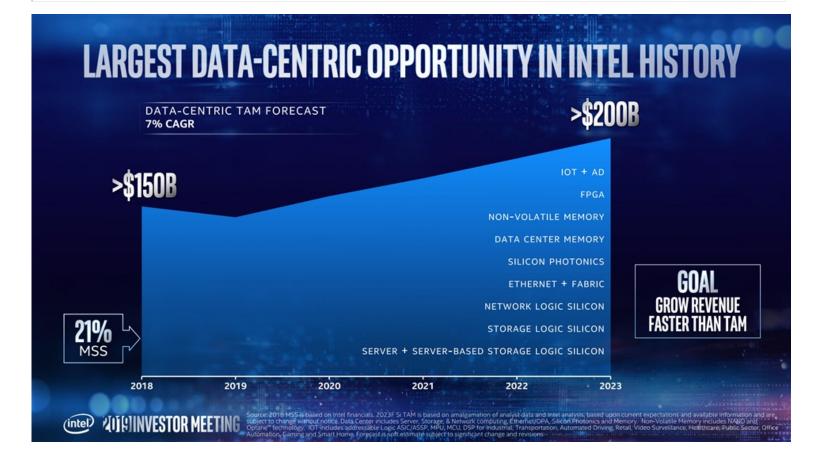
GROWTH OF

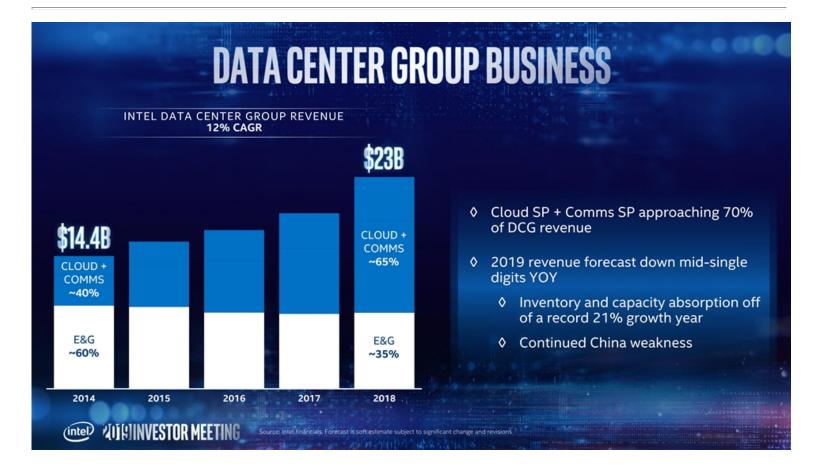
PROLIFERATION OF

CLOUDIFICATION OF THE

(intel) (U)())INVESTOR MEETING







PUBLIC CLOUD SP GROWTH & DIVERSIFICATION

INTEL PUBLIC CLOUD SP REVENUE >30% CAGR



INVESTING TO ENABLE NEXT WAVE CSPS

NEXT WAVE GROWTH OF 33% IN 2018

DEEPEN PARTNERSHIPS WITH CSPS CUSTOM CPUS >55% OF VOLUME IN 2018

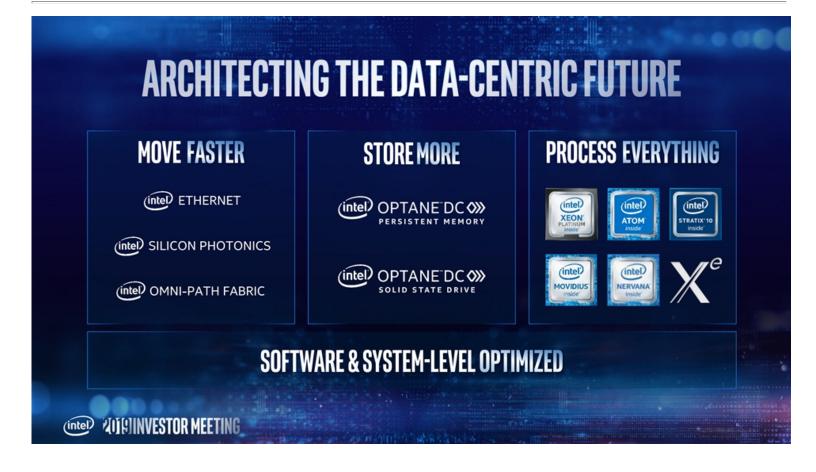
PUBLIC CLOUD BUSINESS IS TAM EXPANSIVE 2/3 OF REV IS TAM EXPANSIVE, AND GROWING (CONSUMER AND NEW CLOUD SERVICES)

PROLIFERATION OF CLOUD COMPUTING ENTERPRISE AND COMMS SERVICE PROVIDERS

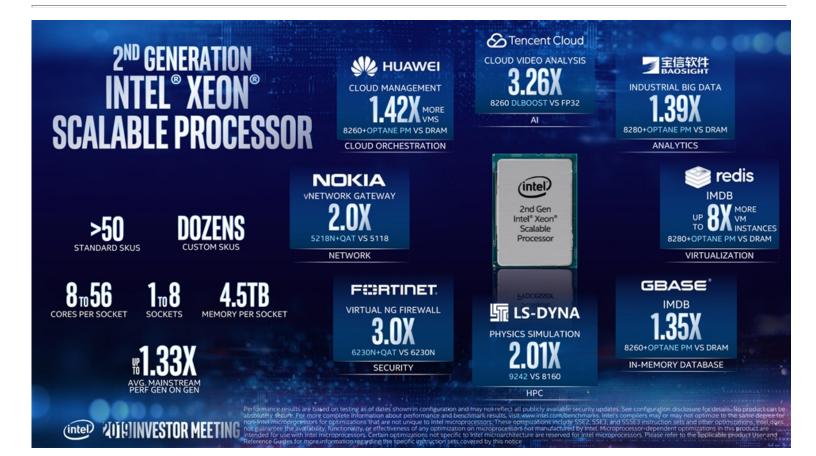
DIGITAL TRANSFORMATION CONTINUES

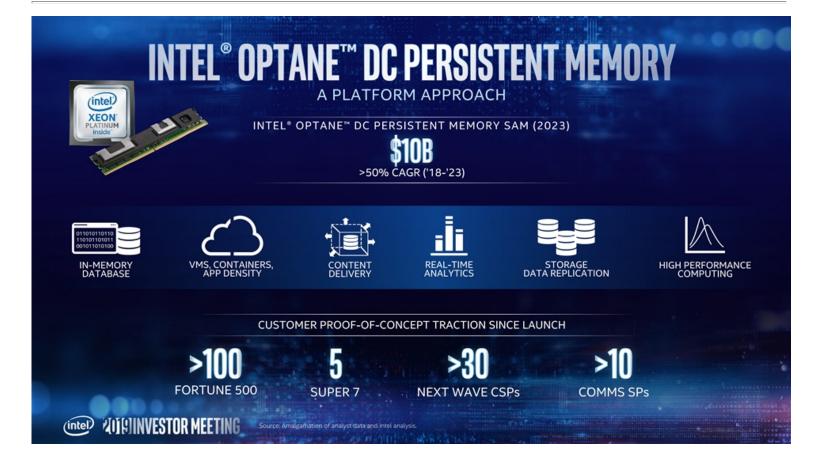
CLOUD SPS INVESTING IN HYBRID CLOUD SOLUTIONS



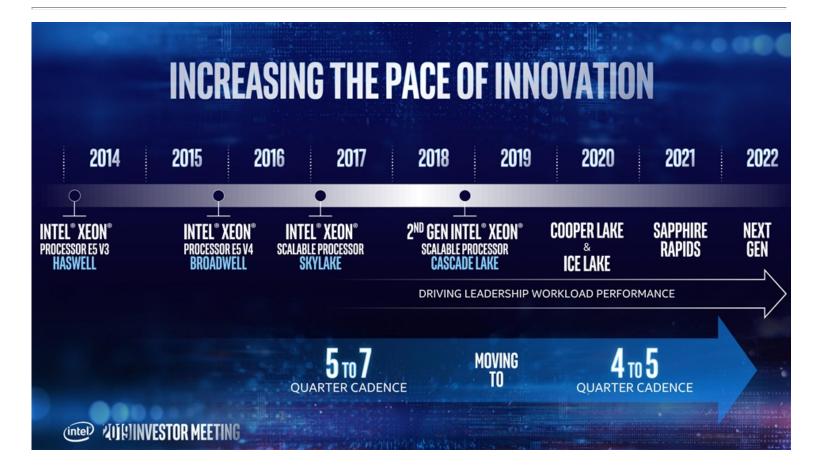




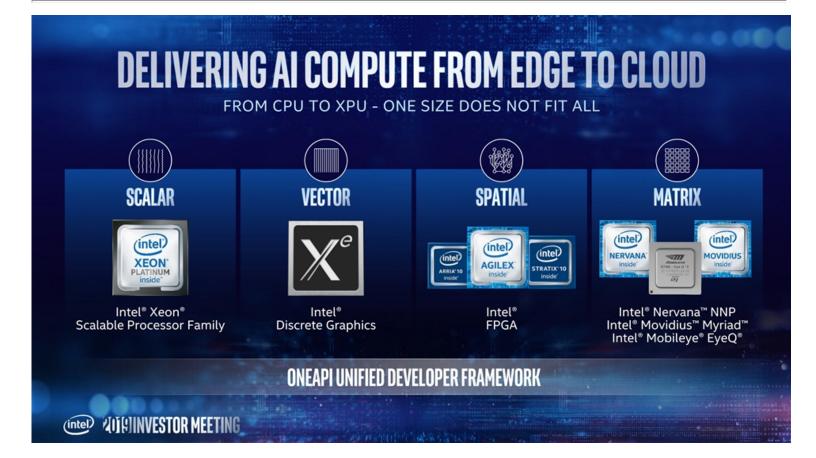




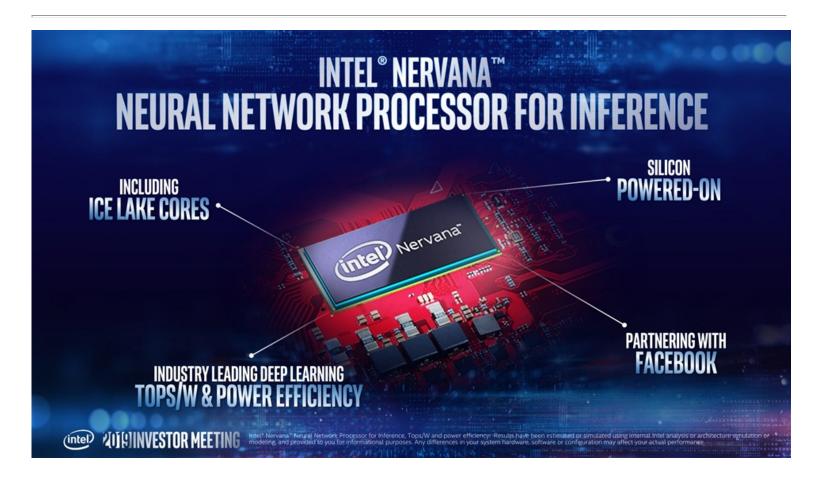


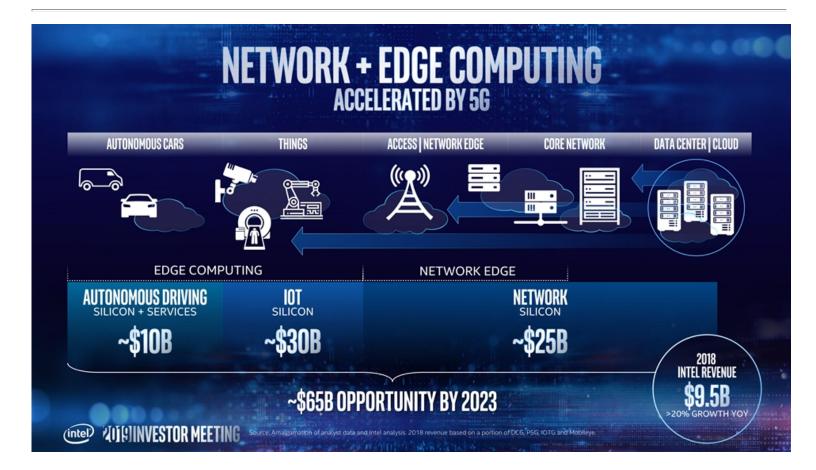




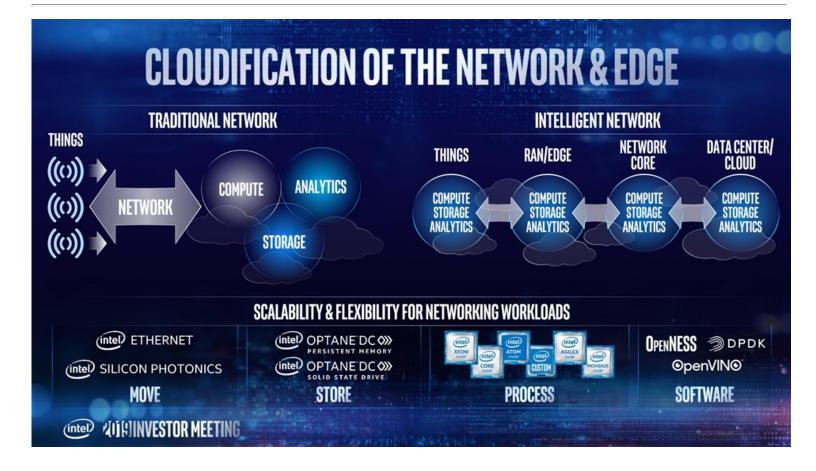


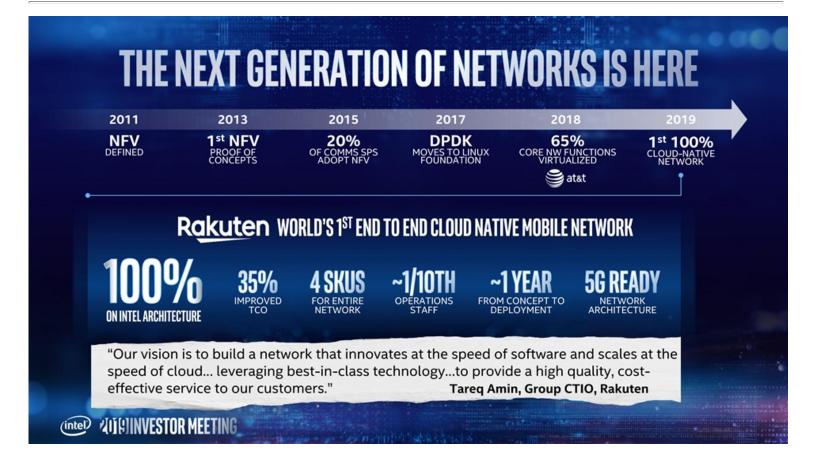


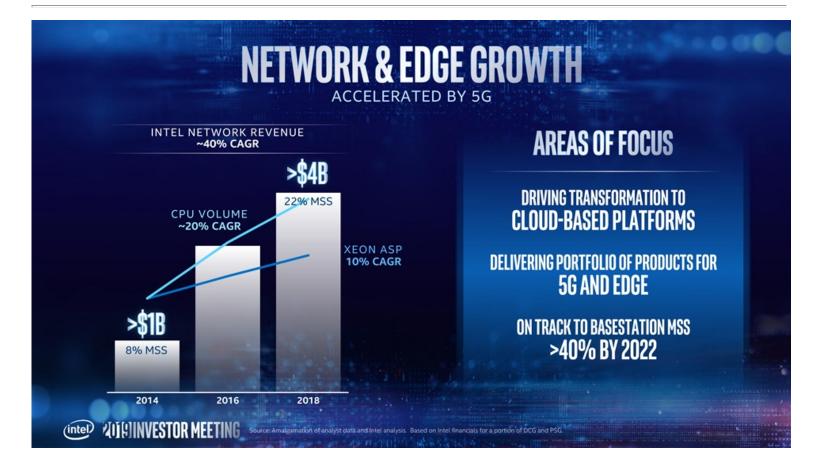


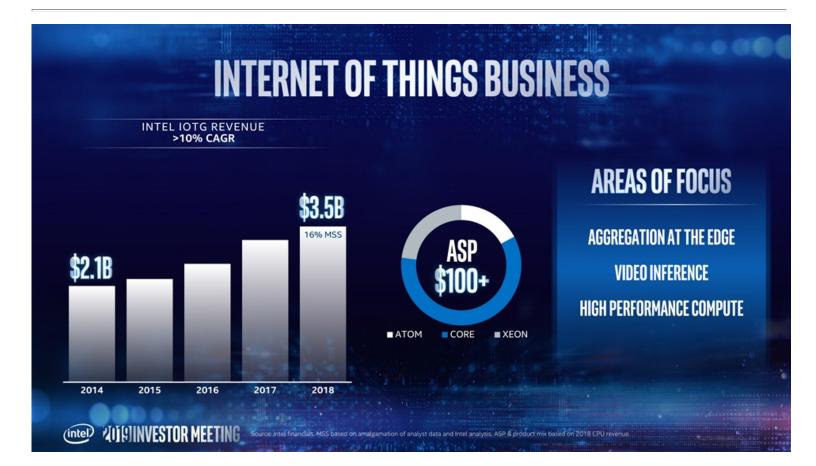


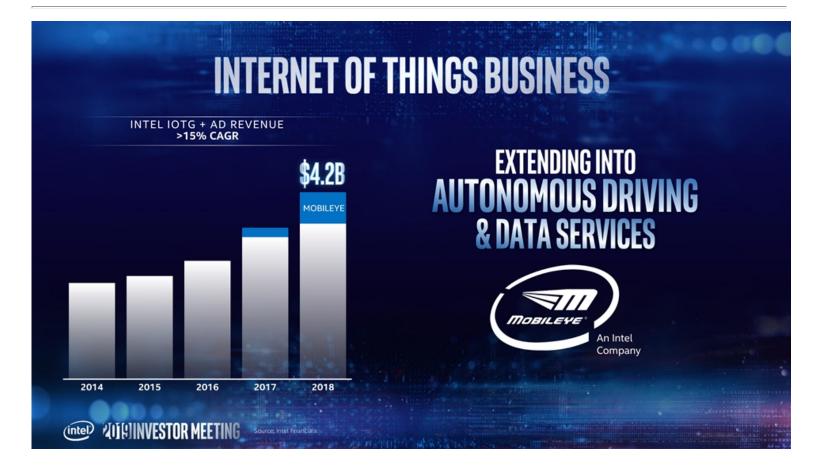














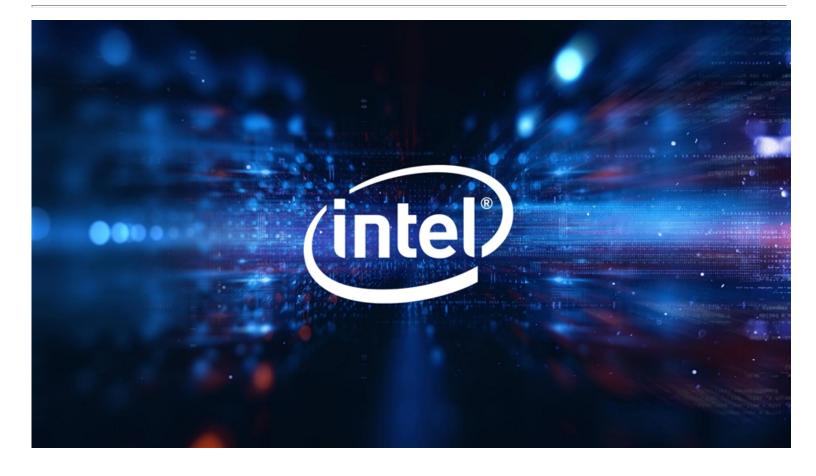
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Up to 1.33x average generational gains on mainstream Gold SKU: Geomean of est SPECrate2017_In_base, est SPECrate2017_In_base, Stream Triad, Intel Distribution of Linpack, server side Java. Gold 5218 vs Gold 5118: 1-node, 2x Intel* Xeon* Gold 5218 cpu on Wolf Pass with 384 GB (12 X 32GB 2933 (2666)); total memory, ucode 0x4000013 on RHE17.6, 3:10.0-957 el7.x86_64, [C18u2, AVX2, HT on all (off Stream, Linpack)] Linpack=1088, server side java=0833; test by Intel on 12/7/2018. 1-node, 2x Intel* Xeon* Gold 5128 vs Gold 5218 Stream, Linpack], Turbo on, result: est int throughput=162, est fp throughput=172, Stream Triad=185, Linpack=1088, server side java=0833; test by Intel on 12/7/2018. 1-node, 2x Intel* Xeon* Gold 5128 Stream, Linpack], Turbo on, result: est int throughput=119, est fp throughput=134, Stream Triad=148.6, Linpack=822, server side java=67434, test by Intel on 11/12/2018.

2.01x L5-Dyna* Explicit, 3car. 1-node, 2x Intel* Xeon* Platinum 8160L cpu on Wolf Pass with 192 GB (12 slots / 16GB / 2666) total memory, ucode 0x200004d on Oracle Linux Server release 7.6, 3.10.0-862.14.4.el7.crt1x86_64. Intel SSDSC2BA80, LS-Dyna 9.3-Explicit. AVX2 binary, 3car, HT on, Turbo on, test by Intel on 2/26/2019. 1-node, 2x Intel* Xeon* Platinum 9242 cpu on Intel reference platform with 384 GB (24 slots / 16GB / 2933) total memory, ucode 0x4000017 on CentOS 7.6, 3.10.0-957.5.1.el7.x86_64, Intel SSDSC2BA80, LS-Dyna 9.3-Explicit AVX2 binary, 3car, HT on, Turbo on, test by Intel on 3/18/2019.

1.39x BAOSIGHT* xinsight*: 1-node, 2x Intel* Xeon* Platinum 8260L cpu on S2600WFS with 768 DDR GB (24 slots / 32GB / 2666) total memory, ucode 0x400000A on CentOS 7.5, 3.10.0-957.1.3.el7.x86_64, 1x Intel 480GB SSD OS Drive, 1x Intel XC722, xinsight 2.0 internal workload, HT on, Turbo on, test by Intel/Baosight on 1/8/2019. 1-node, 2x Intel* Xeon* Platinum 8260L cpu on S2600WFS with 192 DDR + 1024 Intel DCPMM GB (12 slots / 16 GB / 2666 DDR + 8 slots / 128 GB / 2666 Intel DCPMM) total memory, ucode 0x400000A on CentOS 7.5, 3.10.0-957.1.3.el7.x86_64, 1x Intel 480GB SSD OS Drive, 1x Intel XC722, xinsight 2.0 internal workload, HT on, Turbo on, test by Intel/Baosight on 1/9/2018.

usweit FusionSphere*: 1-node, 2x Intel* Xeon* Platinum 8260L cpu on Wolf Pass with 1024 GB (16 slots / 64GB / 2666) total memory, ucode 0x400000A on FusionSphere HyperV, 3.10.0-514.44.5.10_96.x86_64, 1x Intel 800GB SSD OS Drive, 1x Intel SSD OS Drive, 1x Intel XC722, FusionSphere 6.3.1, mysql-5.7.24, sysbench-1.0.6, HT on, Turbo on, test by Huawei/Intel on 1/11/2018. 1-node, 2x Intel* Xeon* Platinum 8260L cpu on Wolf Pass with 384 DDR + 1536 Intel DCPMM GB (12 slots / 32 GB / DR + 12 slots / 128 GB / 2666 Intel DCPMM total memory, ucode 0x400000A on FusionSphere HyperV, 3.10.0-514.44.5.10_96.x86_64, 3 x P3520 1.8TB Application Data, 1x Intel XC722, FusionSphere 6.3.1, mysql-sysbench-1.0.6, HT on, Turbo on, test by Huawei/Intel on 1/11/2018.

1.35x GBASE: 1-node, 2x Intel* Xeon* Platinum 8260 cpu on S2600WFT with 768 DDR GB (24 slots / 32GB / 2666) total memory, ucode 0x400000A on CentOS 7.5, 3.10.0-957.1.3.el7.x86_64, 1x Intel 400GB SSD OS Drive, 1x Intel XC722, Gbase 8m 6.3.2 OCS Benchmark, HT on, Turbo on, test by GBASE/Intel on 2/19/2019. 1-node, 2x Intel* Xeon* Platinum 8260 cpu on S2600WFT with 192 DDR + 1024 Intel DCPMM GB (12 slots / 16 GB / 2666 DDR + 8 slots / 128 GB / 2666 Intel DCPMM) total memory, ucode 0x400000A on CentOS 7.5, 3.10.0-957.1.3.el7.x86_64, 1x Intel 400GB SSD OS Drive, 1x Intel XC722, Gbase 8m 6.3.2 OCS Benchmark, HT on, Turbo on, test by GBASE/Intel on 2/19/2019.

2x Nokia* SDWAN: Configuration #1 (With Intel* QuickAssist* Technology): 2x Intel* Xeon* Gold 5218N Processor on Neon City Platform with 192 GB total memory (12 slots / 16GB / DDR4 2667MHz), ucode 0x4000019, Bios: PLYXCRB 1.86B.0568.D10.1901032132, uCode: 0x4000019 on Cent05 7.5 with Kernel 3.100-862, KVM Hypervisor; 1x Intel* QuickAssist Adapter 8970, Cipher: AES-128 SHA-256; Intel* Ethernet Converged Network Adapter X520-SR2; Application: Nokia Nuage SDWAN NSGV 5.3.3.U.3. Configuration #2: 2x: Intel* Xeon* Gold 5118 Processor on Neon City Platform with 192 GB total memory (12 slots / 16GB / DDR4 2667MHz), ucode 0x4000019, Bios: PLYXCRB 1.86B.0588.D10.1901032132, uCode: 0x4000019 on Cent0S 7.5 with Kernel 3.10.0-862, KVM Hypervisor; Intel* Ethernet Converged Network Adapter X520-SR2; Application: Nokia Nuage SDWAN NSGV 5.3.3.3.Results recorded by Intel on 2/14/2018 in collaborate with Nokia.

3.26x latency reduction for Tencent* Cloud Video Analysis: Tested by Tencent as of 1/14/2019.2 socket Intel* Xeon* Gold Processor, 24 cores HT On Turbo ON Total Memory 192 GB (12 slots/ 16GB/ 2666 MHz), CentOS 7.6 3.10.0-957.el7.x86_64, Compiler: gcc 4.8.5, Deep Learning Framework: Intel* Optimizations for Caffe v1.1.3, Topology: modified inception v3, Tencent's private dataset, BS=1. Comparing performance on same system with FP32 vs INT8 w/ Intel* DL Boost

3x Fortinet* Fortigate*: Configuration #1 (With Intel* QuickAssist Technology) zx Intel* Xeon® Gold E5-6230N Processor on Neon City Platform with 192 GB total memory (12 slots / 16GB / DDR4 2933MHz), ucode 0x4000019, Bios: PLYXCRB 1.36B.056B.0101901032132, Ucode: 0x4000019 on CentOS 7.5 with Kernel 3.10.0-862, KVM Hypervisor; 1 x Intel* QuickAssist afapter 8970, IPSec 4E5128-SHA256; 1 x Dual Port 40GOE Intel* Ethernet Network Adapter XI.710, Application: FortiGate VM64-KVM (v6.20 Interim build). Configuration #2 (Without Intel* QuickAssist Technology) zx Intel* Xeon® Gold E5-6230N Processor on Neon City Platform with 192 GB total memory (12 slots / 16GB / DDR4 2933MHz), ucode 0x4000019, Bios: PLYXCRB 1.36B.056B.010101001032132, ucode: 0x4000019 on CentOS 7.5 with Kernel 3.10.0-862, KVM Hypervisor; 1 x Dual Port 40GbE Intel* Ethernet Network Adapter XI.710; Application: FortiGate VM64-KVM (v6.20 Interim build). Configuration #2 (Without Intel* QuickAssist Technology) zx Intel* Xeon* Gold E5-6230N Processor on Neon City Platform with 192 GB total memory (12 slots / 16GB / DDR4 2933MHz), ucode 0x4000019, Bios: PLYXCRB 1.36B.056B.01010100123123, ucode: 0x4000019 on CentOS 7.5 with Kernel 3.10.0-862, KVM Hypervisor; 1 x Dual Port 40GbE Intel* Ethernet Network Adapter XI.710; Application: FortiGate VM64-KVM (v6.2.0 Interim build). Configuration: FortiGate VM64-KVM (v6.2.0 Interim build). Results recorded by Intel and reviewed by Fortinet on 3/27/2018.

Up to 8X more VHs when running Redis with 8X memory capacity: 1-hode, 2x Intel Xeon Platinum 8276 cpu on Intel reference platform with 768 GB (12 slots / 32GB / 2666) total memory, BIOS PLYXCR81.86B.0573.D10.1901300453 on Fedora-27, 4.20.4-200.fc29.x86_64, zx40G, Redis 4.0.11, memter_benchmark-1.2.12 (80/20 read/write); 1X record size, KVM, 1/VM, centos-7.0, HT on, Turbo on, test by Intel on 2/22/2019. 1-hode, 2x Intel Xeon Platinum 8276 cpu on Intel reference platform with 192 + 6144 GB (12 slots / 32GB / 2666) total memory, BIOS PLYXCR81.86B.0573.D10.1901300453 on Fedora-27, 4.20.4-200.fc29.x86_64, zx40G, Redis 4.0.11, memter_benchmark-1.2.12 (80/20 read/write); 1X record size, KVM, 1/VM, centos-7.0, HT on, Turbo on, test by Intel on 2/22/2019. 1-hode, 2x Intel Xeon Platinum 8276 cpu on Intel reference platform with 192 + 6144 GB (12 slots / 32GB / 2666) total memory, BIOS PLYXCR81.86B.0573.D10.1901300453 on Fedora-27, 4.20.4-200.fc29.x86_64, zx40G, Redis 4.0.11, memter_benchmark-1.2.12 (80/20 read/write); 1X record size, KVM, 1/VM, centos-7.0, Memory mode, HT on, Turbo on, test by Intel on 2/22/2019.



CONFIGURATION DISCLOSURE

Intel[®] Deep Learning Boost

Tx inference throughput baseline on Intel[®] Xeon[®] Platinum 8180 processor (July 2017): Tested by Intel as of July 11th 2017: Platform: 25 Intel[®] Xeon[®] Platinum 8180 CPU @ 2.50GHz (28 cores), HT disabled, turbo disabled, scaling governor set to "performance" via intel_pstate driver, 384GB DDR4-2666 ECC RAM. CentOS Linux kernel 3:10.0-514.10.2.el7.x86_64. S5D: Intel[®] Xeon[®] Platinum 8180 CPU @ 2.50GHz (28 cores), HT disabled, turbo disabled, scaling governor set to "performance" via intel_pstate driver, 384GB DDR4-2666 ECC RAM. CentOS Linux kernel 3:10.0-514.10.2.el7.x86_64. S5D: Intel[®] Xeon[®] Platinum 8180 CPU @ 2.50GHz (28 cores), HT disabled, turbo disabled, scaling governor set to "performance" via intel_pstate driver, 384GB DDR4-2666 ECC RAM. CentOS Linux kernel 3:10.0-514.10.2.el7.x86_64. S5D: Intel[®] Xeon[®] Platinum 8180 CPU @ 2.50GHz (28 cores), HT disabled, turbo disabled, scaling governor set to "performance" via intel_pstate driver, 384GB DDR4-2666 ECC RAM. CentOS Linux kernel 3:10.0-514.10.2.el7.x86_64. S5D: Intel[®] Xeon[®] Platinum 8180 CPU @ 2.50GHz (28 cores), HT disabled, S25 Cores, S topologies, synthetic dataset was used. For other topologies, data was stored on local storage and cached in memory before training. Topology specs from https://github.com/intel/caffe/tree/master/models/intel.optimized_models (ResNet-50),and https://github.com/soumith/convnet-benchmarks/tree/master/

(ConvNet benchmarks: files were updated to use newer Caffe prototxt format but are functionally equivalent). Intel C++ compiler ver. 17.0.2 20170213, Intel MKL small libraries version 2018.0.20170425. Caffe run with "numactl-"

use newer Caffe protobit format but are functionality equivalent). Intel C++ compiler ver. 17.0.2 2017/0213, Intel MKL small libraries version 2018.0.2017/0425. Caffe run with "numact +". 5.7x inference throughput improvement on Intel" Xeon* Platinum 8180 processor (December 2018) with continued optimizations : Tested by Intel as of November 11th 2018.2 socket Intel(R) Xeon(R) Platinum 8180 CPU @ 2.50GHz / 28 cores HT ON, Turbo ON Total Memory 376.465B (12slots / 32 GB / 2666 MHz). CentOS Linux-7.3.1611-Core, kernet: 3.10.0-862.3.3.el7.x86_64, SSD sda RS3WC080 HDD 744.1GB,sdb RS3WC080 HDD 1.5TB,sdc RS3WC080 HDD 5.5TB , Deep Learning Framework Intel* Optimization for caffe version: S51a53d63a6183c233abaa1a19458a25b672ad41 Topology:ResNet 50 v1 BIOS:SE5C6200140.70920180847 MKLDNN: 4e333787e0d66a1dca1218e99a891d493dbc8ef1 instances: 2 instances socket2 (Results on Intel* Xeon* Sclable Processor were measured running multiple instances of the framework. Methodology described here: https://software.intel.com/en.us/articles/bossing-deep-learning-training-inference-performance-on-sen-and-xeon.ph). Synthetic data. Datatype: INT8 Batchisze=64 vr Ested by Intel as of July 11th 2017.25 Intel* Xeon* Platinum 8180 CPU @ 2.50GHz (28 cores), H disabled, scaling governor set to "performance" via intel_pstate driver, 384GB DDR4-2666 ECC RAM. CentOS Linux release 7.3.1611 (Core), Linux kernet 3.10.0-514.10.2.el7.x86_64. SSD: Intel* SSD OC S3700 Series (800GB, 2.5in SATA 66b/s, 2.5in MLC).Performance measured with: Environment variables: KMP_AFFINITY='granularity=fine, compact, OMP_NUM_THREADS=56, CPU Freq set with cpupower frequency-set - d 2.5G - u.38.6d - gp enformance. Grifts (Intel/ Attract Match as stored on local storage and cached in memory before training. Topology specs from https://gritub.com/intel/caffe/tree/master/matchaffe/time=command_intel/saffe/time=command_intel/saffe/time=command_intel_saffe/time=command_intel* caffe/time=command_inter/saffe/time=command_intel/Caffe/tree/master/matchaffe/time=comm

14x inference throughput improvement on Intel[®] Xeon[®] Platinum 8280 processor with Intel[®] DL Boost. Tested by Intel as of 2/20/2019. 2 socket Intel[®] Xeon[®] Platinum 8280 Processor, 28 cores HT On Turbo ON Total Memory 384 GB (12 slots/ 32GB/ 2933 MHz), BIOS: SE5C620.868.0D.01.0271.120720180605 (ucode: 0x200004d), Ubuntu 18.04.1 LTS, kernel 4.15.0-45-generic, SSD 1x sda INTEL SSDSC28A80 SSD 745.268, nvme1n1 INTEL SSDPE2KX0407T SSD 3.7TB, Deep Learning Framework: Intel[®] Optimization for Caffe version: 1.1.3 (commit hash: 7010334f159da247db3fe3a9d96a3116ca06b09a), ICC version, BS=64, synthetic Data, 4 instance/2 socket, 830a10059a018cd2634d94195140cf2d8790a75a, model: https://github.com/intel//aife/jlob/master/models/intel/cerent/s0 mls/sin18/intel/cerent/s0 mls/sin18/intel/cerent

Balance and the state of the st

20170213, Intel MkL small libraries version 2018.0.2017/0425. Caffe run with "numact +*. 2x More inference throughput improvement on Intel[®] Xeon[®] Platinum 9282 processor with Intel[®] DL Boost : Tested by Intel as of 2/26/2019. Platform: Dragon rock 2 socket Intel[®] Xeon[®] Platinum 9282(56 cores per socket), HT ON, turbo ON, Total Memory 766 GB (24 slots) 22 GB/ 2933 MH2, BIOS:E5E5620.866.BOD.01.0241.112020180249, Centos 7 Kernel 3.10.0-957.5.1.el7.x86_64, Deep Learning Framework: Intel[®] Optimization for Caffe version: https://github.com/intel/caffe d554.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe d554.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe d554.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe d554.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe d554.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe d554.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe/d54.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd2634d94195140cf2d8790a75a), model: https://github.com/intel/caffe/d54.obf1, ICC 2019.2.187, MKL DNN version: v0.17 (commit hash: 830a10059a018cd1566 ECC RAM. CentOS Linux release 7.3.1611 (Core), Linux kernel 3.10.0-514.10.2.ef7.86 64. S5D: Intel[®] S5D DC S3700 Series (800068, 2.5 in SATA 6Gb/s, 25mm, MLC).Performance wasured with: "caffe time --forward_only" command, training measured with "caffe time" command. For "ConvNet" topologies, synthetic dataset was used. For other topologies, data was stored on local stor numacti -l'

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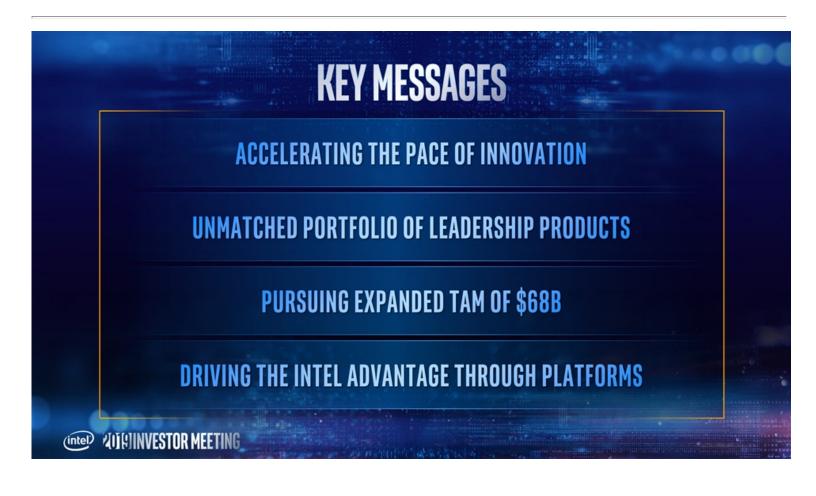


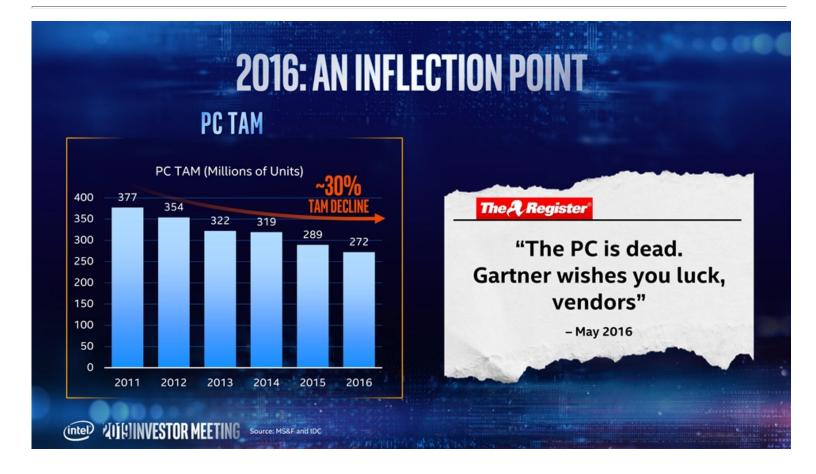
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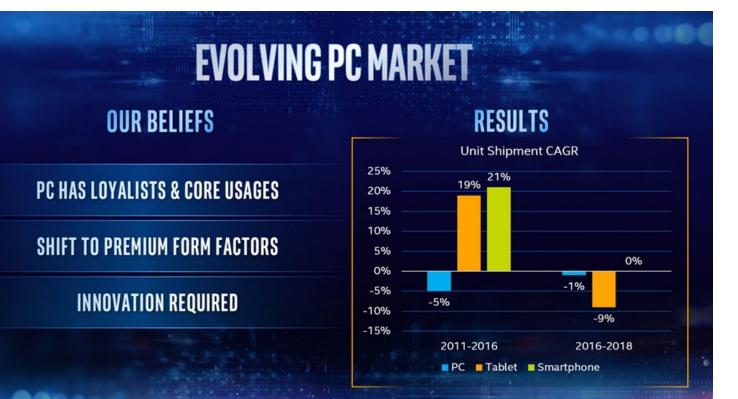
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OUR RESULTS



MARKET STABILIZING

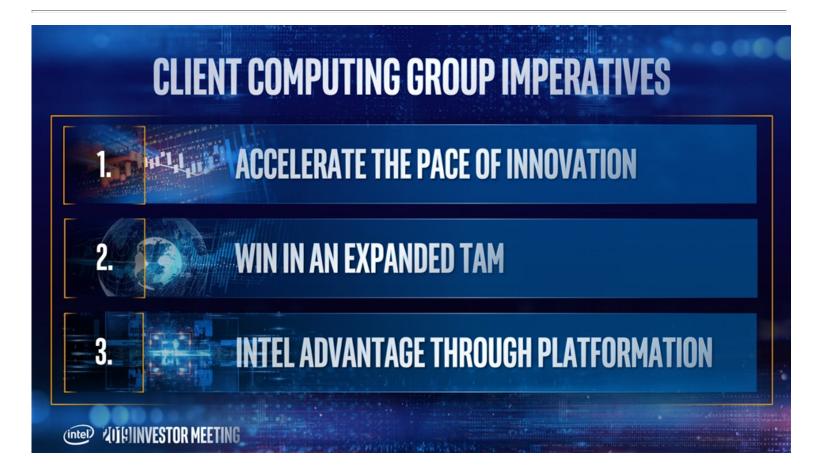
DELIVERED 3 YEARS OF TOP & BOTTOM LINE GROWTH

MANUFACTURING AND IP R&D SCALE

2019 PC-CENTRIC REVENUE DOWN LOW SINGLE DIGITS YOY

CONSTRAINED SUPPLY & COMPETITIVE ENVIRONMENT







ACCELERATING THE PACE OF INNOVATION

2019 ICE LAKE

1

NEW CPU CORE ARCHITECTURE

NEW GEN 11 GRAPHICS ENGINE

1ST INTEGRATED WIFI6 (11AX) / THUNDERBOLT[™] 3

OpenVINO / DL BOOST

A NEW LEVEL OF Integration 2019 LAKEFIELD

HYBRID CPU ARCHITECTURE

3D FOVEROS PACKAGING

NEW GEN 11 GRAPHICS ENGINE

IMPROVED STANDBY SOC POWER

ENABLING REVOLUTIONARY New Form Factors

2020 TIGER LAKE

NEW CPU CORE ARCHITECTURE

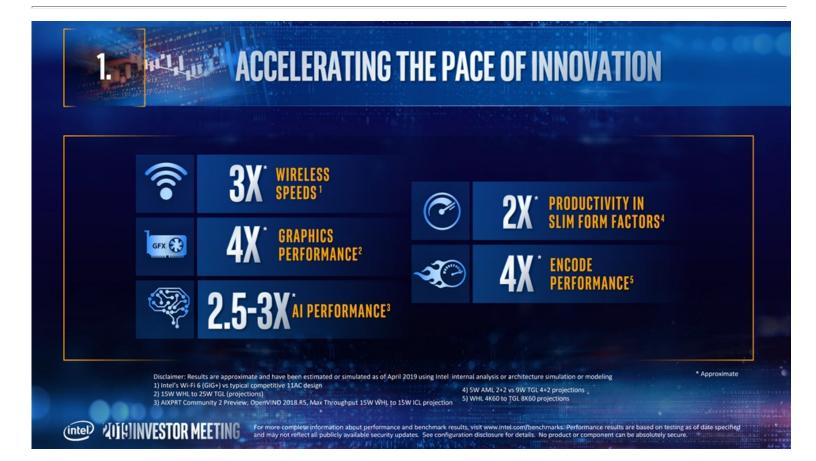
NEW X^e GRAPHICS ENGINE

LATEST DISPLAY TECHNOLOGY

NEXT GEN I/O TECHNOLOGY

MOBILITY Redefined

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WIN IN AN EXPANDED TAM

MEMORY (\$7B TAM)

INTEL[®] OPTANE[™] MEMORY SHIPPED IN 2018

INTEL[®] OPTANE[™] MEMORY H10 WITH SOLID-STATE STORAGE LAUNCHED APRIL

PERSISTENT MEMORY ON WORKSTATIONS 2H'19

> LAUNCH GAMES UP TO 60% FASTER¹

FIRST TO PC MARKET WITH WI-FI6 (Discrete & Integrated)

NEW INDUSTRY STANDARD WITH THUNDERBOLT[™] 3

CONNECTIVITY (\$10B TAM)

ACPC/LTE MARKET LEADER

NEARLY 3X FASTER SPEEDS²

For more complete information about performance and benchmark results, visit www.intel.com/benchmarks. Performance results are based on testing as of date specified and may not reflect all publicly available security updates. See configuration disclosure for details. No product or component can be absolutely secure.

1) Optane – based on 8th Gen Intel U with Optane Memory H10 2) Wireless- Intel's Wi-FI 6 (Gig+) vs, typical 11AC design

GRAPHICS (\$6B TAM)

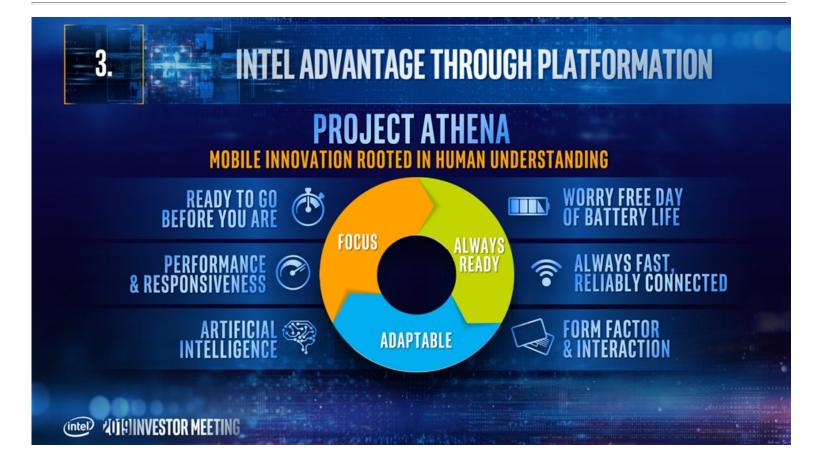
LEADER IN INTEGRATED GFX

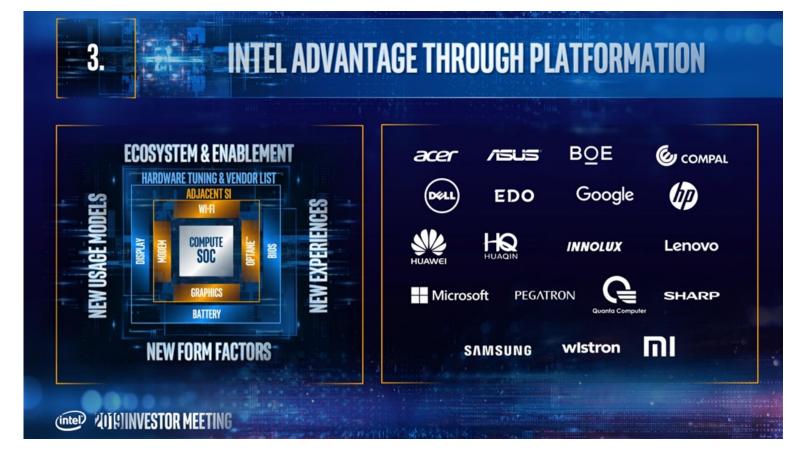
GEN 11 LAUNCHING IN 2019

NEW X^e ARCHITECTURE IN 2020

ACCELERATING GRAPHICS Performance

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Approx. 3x Wireless Speeds: 802.11ax 2x2 160MHz enables 2402Mbps maximum theoretical data rates, ~3X (2.8X) faster than standard 802.11ac 2x2 80MHz (867Mbps) as documented in IEEE 802.11 wireless standard specifications, and require the use of similarly configured 802.11ax wireless network routers.

Approx. 4x Graphics Performance: Estimated by Intel as of April 2019, based on the 3DMark 11 and Firestrike scores of TGL U42 96EU 15W as compared to WHL U42 24EU 15W.

Approx. 2.5x-3x AI Performance: Workload: images per second using AIXPRT Community Preview 2 with Int8 precision on ResNet-50 and SSD-Mobilenet-v1 models. Intel preproduction system, ICL-U, PL1 15w, 4C/8T, Turbo TBD, Intel Gen11 Graphics, GFX driver preproduction, Memory 8GB LPDDR4X-3733, Storage Intel SSD Pro 760P 256GB, OS Microsoft Windows 10, RS5 Build 475, preprod bios. Vs. Config – HP spectre x360 13t 13-ap0038nr, Intel® Core™ i7-8565U, PL1 20w, 4C/8T, Turbo up to 4.6Ghz, Intel UHD Graphics 620, Gfx driver 26.20.100.6709, Memory 16GB DDR4-2400, Storage Intel SSD 760p 512GB, OS – Microsoft Windows 10 RS5 Build 475 Bios F.26. Estimated as of April 2019.

Approx. 2x Productivity in Slim Form Factors: Estimated by Intel as of April 2019, based on SYSmark 2014 (overall score) of AML Y-5W 2+2 SKL 14nm i7-8500Y as compared to TGL Y-9W 4+2 WLC 10nm.

Approx. 4x Encode Performance: Estimated by Intel as of April 2019 between WHL 4K60 and TGL 8K60.

Launch Games up to 60% Faster: Testing by Intel as of March 22nd, 2019. As measured by Path of Exile* Game Launch with Background Activity (e.g. 18GB Video File Copy), comparing 8th Gen Intel® Core™ i7-8565U (512GB TLC SSD) vs. 8th Gen Intel® Core™ i7-8565U (32GB+512GB Intel® Optane™ memory H10 with solid state storage)

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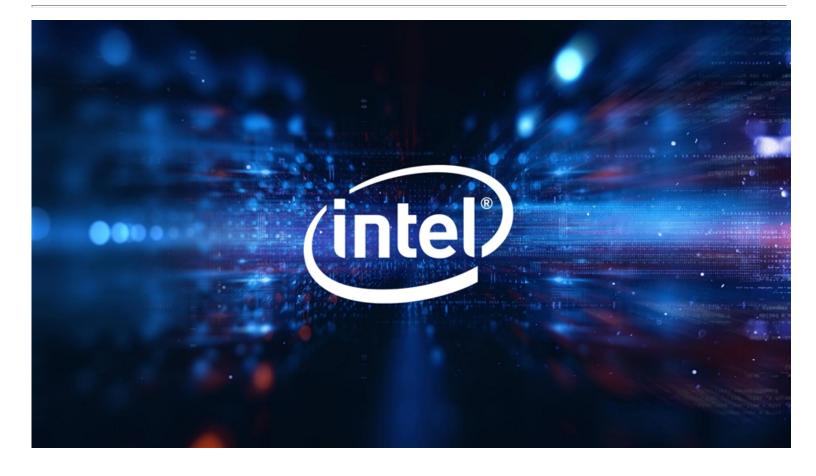
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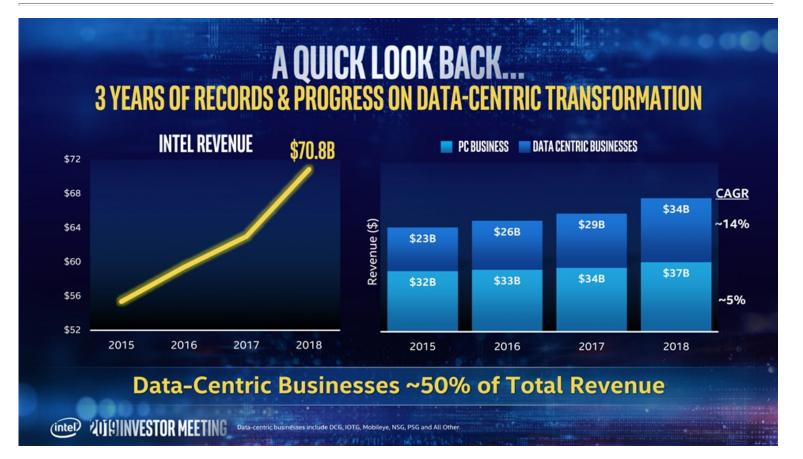
Results and Near-term Expectations

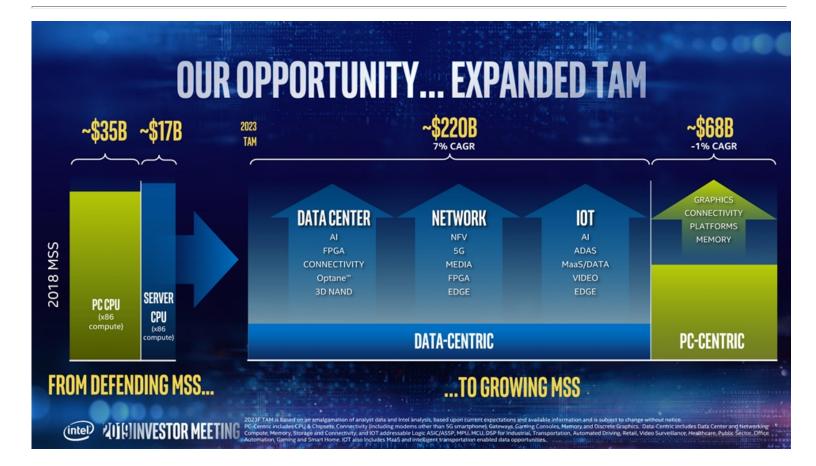
Extending Product Leadership while Investing in Process

Capital Returns & Investment Discipline

Summary of Today's Key Messages

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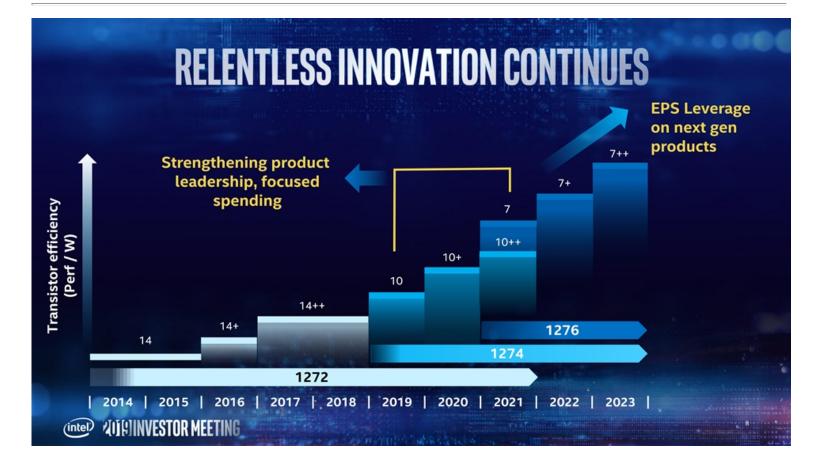






FOCUS ON PERFORMANCE & CAPITAL STEWARDSHIP

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3 YEAR ASSUMPTIONS

Data centric grows high single digits, PC centric flat to down

Macro environment remains stable

Spending to 25% of revenue

GM bottoms in 2021 on confluence of nodes

Capital discipline & selective outsourcing narrow FCF/Earnings gap

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OVER THE NEXT 3 YEARS.

REVENUE GROWTH

Low-single digit growth, \$76B-\$78B

Data-Centric businesses high-single digit growth

PC-Centric business ~flat to down

OPERATING EFFICIENCY

Operating Margin ~32%

Gross Margins declines offset by spending leverage and 5G smartphone modem exit

EARNINGS/FCF

EPS growth in line with revenue

FCF growing faster than earnings

on and are subject to change without notice

CLOSING FCF/EARNINGS GAP (>80%)... ATTRACTIVE CAPITAL RETURNS

CITED AUTONINVESTOR MEETING Operating margin, pross. margin, EPS, and FCF are non-GAAP.

ANATOMY OF OP MARGIN '18-'21

GROSS MARGIN

GM% BETWEEN 57% AND 60%

Tailwinds

- Demand for performance
- Improving yields

Headwinds

- Transition to 10nm & 7nm startup
- Growth of adjacent businesses
- Intensifying competitive environment

SPENDING TO ~25% OF REVENUE

OPEX

Tailwinds

- 5G smartphone modem exit
- Comprehensive portfolio review
- SG&A productivity gains

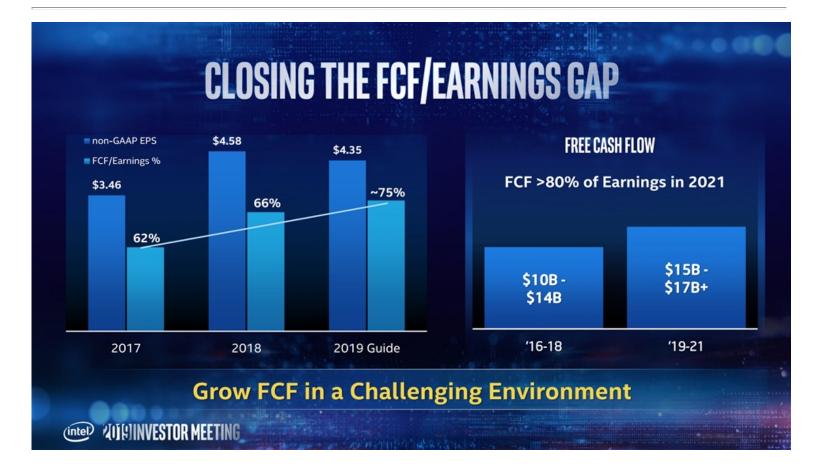
Headwinds

• Growing investment in critical process & product initiatives

Operating Margin at ~32%, GM% decline offset by Opex leverage

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CAPITAL ALLOCATION... OUR PRIORITIES

ORGANIC INVESTMENTS

Investing in R&D & Capex for Growth

STRATEGIC M&A

Strategic Acquisitions to accelerate TAM expansion & Increase Shareholder value

SHAREHOLDER RETURNS

Grow Dividends, Offset Dilution, Opportunistic Buybacks

...While Maintaining a Strong Credit Rating and Financial Flexibility

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IMPROVING OUR EXECUTION... M&A INTEGRATIONS

- Thesis ~on-track, process behind
- Meeting tech inflection/customer/profit criteria
- Regular checks against milestones
- Positions for Cloud, AI, & 5G networking leadership
- On-track to exceed value of deal thesis
- Entering new markets, business models
- Providing scale, sharing technical expertise to accelerate growth

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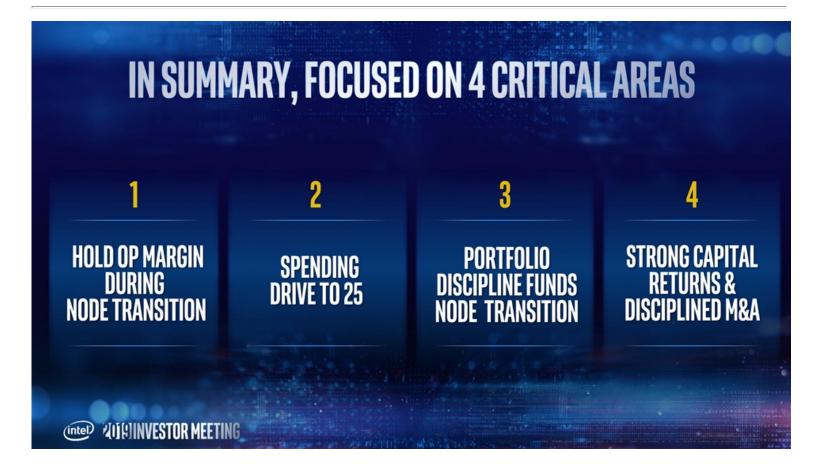


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RECAP OF THE KEY MESSAGES

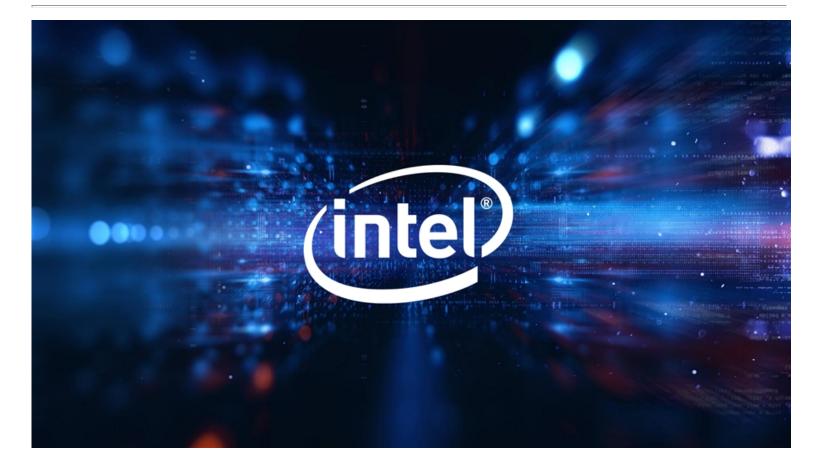
EXPANDED TAM

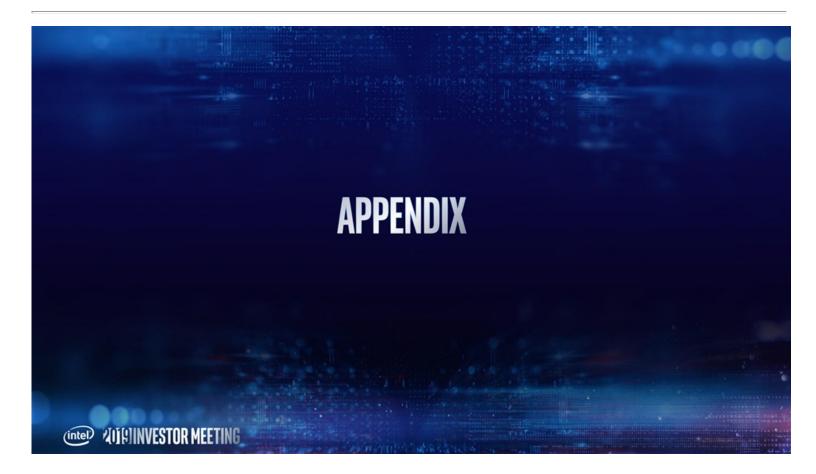


PRODUCT LEADERSHIP

EXECUTION & CULTURE







RECONCILIATION OF NON-GAAP

			2017	2018	Outlook Approximately
	GAAP OPERATING MARGIN			and the second second	30%
	Amortization of acquisition-related intangible asset	S			2%
	NON-GAAP OPERATING MARGIN				32%
	GAAP EARNINGS PER SHARE		\$1.99	\$4.48	\$4.14
	Inventory valuation adjustments		0.01	-	—
	Amortization of acquisition-related intangible asset	s	0.22	0.28	0.29
	Other acquisition-related charges		0.02	_	—
	Restructuring and other charges		0.08	(0.02)	<u> </u>
	(Gains) losses from divestitures		(0.08)	(0.11)	—
	Ongoing mark-to-market on marketable equity secu	—	0.03	(0.06)	
	Tax reform		1.13	(0.06)	-
	Income tax effect	_	0.09	(0.02)	(0.02)
	NON-GAAP EARNINGS PER SHARE	-	3.46	4.58	\$4.35
	FREE CASH FLOW	2016	2017	2018	Full-year 2019 Outlook
	(In Billions)				
	GAAP CASH FROM OPERATIONS	\$21.8	\$22.1	\$29.4	\$30.5
	Additions to property, plant and equipment	(9.6)	(11.8)	(15.2)	(15.5)
	FREE CASH FLOW	\$12.2	\$10.3	\$14.3	\$15.0
	GAAP CASH USED FOR INVESTING ACTIVITIES	\$(25.8)	\$(15.8)	\$(11.2)	
	GAAP CASH USED FOR FINANCING ACTIVITIES	\$(5.7)	\$(8.5)	\$(18.6)	
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RECONCILIATION OF NON-GAAP

Forward-looking non-GAAP measures relating to fiscal years 2020 and beyond represent targets and are based on internal forecasts subject to significant uncertainty. We are unable to provide a full reconciliation of such measures to GAAP measures without unreasonable efforts as we cannot predict the amount or timing of certain elements that are included in reported GAAP results and that may significantly affect GAAP results, including acquisition-related adjustments and other non-recurring events or transactions. In addition, certain comparable GAAP measures such as net cash provided by operating activities are difficult to accurately estimate for such time frames and are dependent on future events. We believe such a reconciliation would also imply a degree of precision that could be confusing or inappropriate for these forward-looking measures.

