RISK FACTORS

Statements in this presentation that refer to 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 technology and the expected availability and benefits of such products and technology, and anticipated trends in our businesses or the markets relevant to them, also identify forward-looking statements. Such statements 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 in Intel's earnings release dated October 24, 2019, which is included 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. 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.
INDUSTRY MEGA-TRENDS

PROLIFERATION OF Cloud Computing
GROWTH OF Artificial Intelligence
CLOUDIFICATION OF THE Network and Edge
INTEL’S NETWORK TRANSFORMATION STRATEGY

DEVICES | THINGS
IOT THINGS & DEVICES, ROUTING, UCPE, NETWORK SECURITY

ACCESS | EDGE
WIRELESS ACCESS (RAN, VRAN), VCCAP, VEPC, VBNG

CORE
IMS, VEPC, GILAN

DATA CENTER | CLOUD
IMS, VEPC, GILAN

WORKLOAD CONVERGENCE
Intel® architecture
Performance + scale

NETWORK FUNCTION VIRTUALIZATION
Cloudification of the network

CUSTOMER & INDUSTRY COLLABORATION
Win together
INTEL® NETWORK BUILDERS

NETWORK TRANSFORMATION IS HAPPENING FROM EDGE TO CORE
5G ACCELERATES NETWORK TRANSFORMATION

NEXT GENERATION OF WIRELESS NETWORKS
HIGHER SPEEDS, GREATER CAPACITY AND LOWER LATENCY
BILLIONS OF CONNECTED DEVICES AND THINGS

2G
CELLULAR COMMS

3G
DATA AND THE APP REVOLUTION

4G
FASTER DATA & MORE USERS

ENHANCED MOBILE BROADBAND
ULTRA-RELIABLE AND LOW LATENCY
MASSIVE MACHINE-TO-MACHINE

AGILITY, SCALABILITY AND INTELLIGENCE THROUGHOUT THE NETWORK. INTEL IS LEADING 5G
NETWORK + EDGE COMPUTING
ACCELERATED BY 5G

AUTONOMOUS CARS  THINGS  ACCESS | NETWORK EDGE  CORE NETWORK  DATA CENTER | CLOUD

EDGE COMPUTING  NETWORK EDGE

AUTONOMOUS DRIVING  IOT  NETWORK SILICON
SILICON + SERVICES  SILICON  SILICON
~$10B  ~$30B  ~$25B

~$65B OPPORTUNITY BY 2023

INTEL REVENUE
2018
$9.5B
>20% GROWTH YOY

Source: Amalgamation of analyst data and Intel analysis. 2018 revenue based on a portion of DCG, PSG, IoTG and Mobileye.
INTEL’S TECHNOLOGY FOR NETWORK & EDGE

IOT EDGE
- INTEL ATOM
- INTEL XEON

ON PREM EDGE
- INTEL CUSTOM
- INTEL ATOM

FAR EDGE
- SNOW RIDGE coming 1H '20
- INTEL XEON D-2100
- INTEL XEON D-2700

CORE
- INTEL XEON Platinum Processor

DATA CENTER | CLOUD
- INTEL® SILICON PHOTONICS
- INTEL® ETHERNET CONTROLLER

ACCELERATORS
- INTEL® XSELLER

MEMORY
- INTEL® XEON

CONNECTIVITY
- INTEL® XEON

SOFTWARE
- OpenVINO™

OPENNESS
# BRINGING 5G TO LIFE TOGETHER

## INVEST
**OPEN SOURCE AND STANDARDS**

- 3GPP
- 5GAA
- CLOUD FOUNDRY
- Cloud Native Computing Foundation
- DPDK
- ETSI
- Kata Containers
- Kubernetes
- ONAP
- OpenDaylight
- Open Source MANO
- OpenStack
- OPNFV
- Open vSwitch
- QED
- Telecom Infra Project
- AKRainQ Edge Stack

## INDUSTRY COLLABORATION
**INTEL® NETWORK BUILDERS & INTEL® DEVELOPER ZONE**

- **350+ Members**
- **100+ POCs/Trials/Deployments Based on Member Solutions**
- **12,000+ Network Builder University Program Members**
- **35+ Comms SPs**
- **13,000+ Developer's Trained worldwide**
- **50+ Network Edge Ecosystem Program Members**

## ACCELERATING TIME TO MARKET

- **Intel® select solution**
- **NFVI**
  - NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE
- **UCPE**
  - UNIVERSAL CUSTOMER PREMISES EQUIPMENT

## INDUSTRY LEADING ECOSYSTEM PROGRAMS
DRIVE 5G & EDGE TRANSFORMATION & ENABLE DEVELOPERS

- **251,480+ IDZ page views**
- **REFERENCE ARCHITECTURES:** NGCO, CORE, COMON PLATFORMS
5G END-TO-END

TECHNOLOGY TRANSFORMATION
• Performance of data center to the edge
• Agile, virtualized, software defined infrastructure
• Open source Software and standards

BUSINESS TRANSFORMATION
• Ecosystem dependencies
• Partnerships / consortiums
• New business model opportunities
THE NEXT GENERATION OF NETWORKS IS HERE


NFV DEFINED 1st NFV PROOF OF CONCEPTS 20% OF COMMS SPS ADOPT NFV DPDK MOVES TO LINUX FOUNDATION 65% CORE NW FUNCTIONS VIRTUALIZED 1st 100% CLOUD-NATIVE NETWORK

Rakuten WORLD'S 1ST END TO END CLOUD NATIVE MOBILE NETWORK

100% ON INTEL ARCHITECTURE

35% IMPROVED TCO

4 SKUS FOR ENTIRE NETWORK

~1/10TH OPERATIONS STAFF

~1 YEAR FROM CONCEPT TO DEPLOYMENT

5G READY NETWORK ARCHITECTURE

“Our vision is to build a network that innovates at the speed of software and scales at the speed of cloud…leveraging best-in-class technology…to provide a high quality, cost-effective service to our customers.”

Tareq Amin, Group CTIO, Rakuten
NETWORK & EDGE GROWTH ACCELERATED BY 5G

INTEL NETWORK REVENUE
~40% CAGR

> $4B

> $1B

8% MSS

2014 2016 2018

CPU VOLUME
~20% CAGR

22% MSS

XEON ASP
10% CAGR

AREAS OF FOCUS

DRIVING TRANSFORMATION TO CLOUD-BASED PLATFORMS

DELIVERING PORTFOLIO OF PRODUCTS FOR 5G AND EDGE

ON TRACK TO BASESTATION MSS
> 40% BY 2022

Source: Amalgamation of analyst data and Intel analysis. Based on Intel financials for a portion of DCG and PSG.
SUMMARY

5G IS NOT JUST ABOUT CONNECTIVITY
It is the innovation platform of tomorrow for enterprise

THE NETWORK INFRASTRUCTURE MARKET IS TRANSFORMING
CoSPs are looking to benefit from the same cloud economics as the CSPs

EDGE COMPUTE CREATES A SIGNIFICANT OPPORTUNITY
It is the next frontier for CoSP, CSP and web-scale companies

INTEL HAS AN UNPARALLELLED ARRAY OF ASSETS TO FUEL 5G GROWTH
Portfolio of leadership products to move, store and process data