EDGE ACCELERATED BY 5G

VIDEO MANUFACTURING TRANSPORTATION SMART CITIES PHONES ETC.	SMALL CELLS LICENSED & UNLICENSED CUSTOMER PREMISE EQUIPMENT (uCPE, SD-WAN, GATEWAY)	WIRELINE FIXED ACCESS (vCCAP, PON) MULTI-ACCESS EDGE COMPUTING NEXT GEN CENTRAL OFFICE (vEPC, vBNG) WIRELESS ACCESS BASESTATIONS & RAN		
DEVICES / THINGS	**ON-PREMISE EDGE**	**NETWORK EDGE**	**NETWORK CORE**	**DATA CENTER | CLOUD**
LATENCY EXPECTATION **VARIES <1 MS**	LATENCY EXPECTATION **< 5 MS**	LATENCY EXPECTATION **<10-40 MS**	LATENCY EXPECTATION **<60 MS**	LATENCY EXPECTATION **<100 MS**

DRIVERS FOR EDGE
LATENCY, BANDWIDTH,
SECURITY, CONNECTIVITY
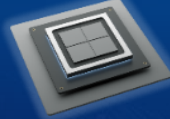
INTEL'S END TO END TECHNOLOGY FOR EDGE & 5G

ON PREMISE EDGE

ATOM inside

XEON inside

RADIO ACCESS / EDGE LOCATION

COMING 2H'19
SNOW RIDGE

FPGA for 5G workloads

XEON inside

CUSTOM

NEXT GENERATION CENTRAL OFFICE / CORE

XEON inside

NETWORK APPLICATION BUILDING BLOCKS

DPDK

OpenVINO™

openNESS
OPEN NETWORK EDGE SERVICES SOFTWARE

Open Visual Cloud

ACCELERATORS

INTEL® QUICKASSIST TECHNOLOGY

MOVIDIUS inside

AGILEX inside

MEMORY

INTEL OPTANE DC
PERSISTENT MEMORY

CONNECTIVITY

INTEL® ETHERNET CONTROLLER

INTEL® SILICON PHOTONICS

INTEL'S FRAMEWORK FOR NETWORK PLATFORMS

**Applications & Services
(IOT Verticals, Comms, Cloud, Enterprises)**

Open VINO **Open Visual Cloud** **Other data centric Apps (analytics, cloud)**

Network Edge Software (OPENNESS)

Virtual Network Functions

Application & Service Orchestration/virtualization

**Industry Standard Interfaces for
Efficient, Programmable, Scalable Data Plane**

INTEL® XEON™ PROCESSORS INTEL® ATOM™ PROCESSORS INTEL® CORE™ PROCESSORS INTEL VPU INTEL® FPGA intel OPTANE DC SOLID STATE DRIVE INTEL® ETHERNET CONTROLLER

ACCELERATE ECOSYSTEM SOLUTIONS

INNOVATE STANDARD & EASY-TO-CONSUME SOFTWARE

(Ex: OpenVino, OpenNESS, Open Visual Cloud, DPDK, vSwitch, Intel® Select Solutions)

INNOVATE LEADING PLATFORM TECHNOLOGIES

*Other names and brands names may be claimed as the property of others

INDUSTRY ENABLING
NETWORK AND CUSTOM LOGIC GROUP

OPEN SOURCE & STANDARDS

3GPP A Global Initiative

5GAA Automotive Association

CLOUD FOUNDRY

CLOUD NATIVE COMPUTING FOUNDATION

DPDK

ETSI World Class Standards

katacontainers

kubernetes

ONAP

OPEN DAYLIGHT

Open Source MANO

openstack

OPNFV

Open vSwitch

fd.io

TELECOM INFRA PROJECT

AKRAINO EDGE STACK

INDUSTRY COLLABORATION

350+
Members

35+
Comms SPs

100+
POCs/Trials/Deployments
Based on Member Solutions

13,000+
Developer's Trained
worldwide

12,000+
Network Builder
University Program
Members

50+
Network Edge
Ecosystem Program
Members

INTEL® NETWORK BUILDERS & INTEL® DEVELOPER ZONE

SOLUTIONS TO ACCELERATE TTM

intel select solution

intel XEON PLATINUM inside

NFVI NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE

HUAWEI

QCT

Lenovo

NOKIA

redhat

ubuntu

intel XEON inside

uCPE UNIVERSAL CUSTOMER PREMISES EQUIPMENT

ADVANTECH

CASWELL Complete Peak Solution

Lanner

PREMIER

Silicom Connectivity Solutions

SUPERMICRO

ubuntu

Intel® Select Solutions for Visual Cloud available Q2'19

INTEL NETWORK BUILDERS PROGRAM

Partnering with industry vendors and Communication Service providers to accelerate the next wave of technical innovation

Solution Development

ENABLING

Global Engagement

THE INDUSTRY

Technical Innovation

Network and Co-Marketing

TO TRANSFORM

THE NETWORK
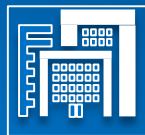
Broad Industry engagement

Communication Service Providers
Cloud Service Providers

Enterprises
TEMS, OEMS, NEMs & ODMS

Application Developers
ISVs & SIS

INTEL NETWORK BUILDERS **EDGE** PROGRAM

EDGE COMPUTING IS THE PLACEMENT OF

CLOSER TO

END

DEVICES

DATA CENTER GRADE NETWORK,

COMPUTE & STORAGE

TO IMPROVE SERVICE

CAPABILITIES

OPTIMIZE

TCO

COMPLY WITH DATA

LOCALITY

AND REDUCE APPLICATION

LATENCY

JOIN US AND HELP US LEAD THE WAY

From technical collaboration to training to go-to-market strategies, the time to engage is now.

Learn more at

https://networkbuilders.intel.com/

SUMMARY

ACCELERATE NETWORK TRANSFORMATION

PARTNERSHIP TO UNLOCK EDGE OPPORTUNITIES

IDENTIFY NEW SERVICES & APPLICATIONS FOR NEW REVENUE OPPORTUNITIES

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