Qualcomm

August 6, 2019

@qualcomm

5G at the Edge in IoT

Dr. Yongbin Wei Senior Director, Engineering Qualcomm Technologies, Inc.





Today, intelligence is primarily associated with the cloud

Realize low latency

New experiences

Customization

澱

Edge cloud

Extract local value

Billions of connected things Massive amount of data Security and privacy

The edge enables

distributed intelligence

Content closer to user

Privacy

Immediacy

機

∿-80

示

20.000

On-device

徽

Efficiency

Reliability

Personalization



Unique requirements for IoT devices

Technology improvements are enabling the IoT edge to grow rapidly



A unifying connectivity fabric for society

On-device

Like electricity, you will just expect it everywhere

Scalable to extreme simplicit

Ultra-low latency

5G

Virtually unlimited

capacity

Extreme reliability

Multi-gigabit

speed

Enabling the IoT at the edge with 5G

- Essential on-device capabilities augmented with processing/compute, content, control at edge cloud
- Supporting massive diversity of devices, applications, and end services
- New experiences with new levels of immersion, immediacy, personalization and privacy



Qualcom

Thank you!

Follow us on: **f** 🎔 in

For more information, visit us at: www.qualcomm.com & www.qualcomm.com/blog

Nothing in these materials is an offer to sell any of the components or devices referenced herein.

©2018-2019 Qualcomm Technologies, Inc. and/or its affiliated companies. All Rights Reserved.

Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries. Other products and brand names may be trademarks or registered trademarks of their respective owners. References in this presentation to "Qualcomm" may mean Qualcomm Incorporated, Qualcomm Technologies, Inc., and/or other subsidiaries or business units within the Qualcomm corporate structure, as applicable. Qualcomm Incorporated includes Qualcomm's licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc., a wholly-owned subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm's engineering, research and development functions, and substantially all of its product and services businesses, including its semiconductor business, QCT.