

The MediaTek logo is displayed in white, bold, uppercase letters within a white-outlined parallelogram shape.

MEDIATEK

5G MODEMS FOR INDUSTRY VERTICAL USE CASES

MediaTek | Ville Salmi | 25th March 2019

4TH

World's fourth largest fabless IC design company

headquarter in Taiwan
publicly listed in Taiwan Stock Exchange Market
(ticker number 2454)

Source: IC Insights' Research Bulletin sales ranking report for
semiconductor companies worldwide, and company reports.



4TH

World's fourth largest fabless IC design company

headquarter in Taiwan
publicly listed in Taiwan Stock Exchange Market
(ticker number 2454)

Source: IC Insights' Research Bulletin sales ranking report for
semiconductor companies worldwide, and company reports.



- **M70 Helio 5G Modem**
- **5G Solutions for sub-6GHz**

Helio M70 5G modem comes with LTE and dual 5G networks (EN-DC) enabling multi-mode connectivity from 2G to 5G. Supporting the sub-6GHz frequency band for non-standalone and standalone architectures, MediaTek Helio M70 connects everyone with reliable and faster broadband.

”

MEDIATEK

5G
connection

#MWC19

MEDIATEK

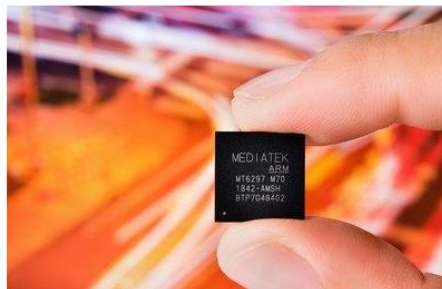


MediaTek Accelerates Rollout of 5G with Comprehensive 5G Solutions for sub-6GHz

CISION PR Newswire 25 February 2019

Helio M70, MediaTek's multimode 5G modem, shown running 4.2Gbps 5G data transfer speeds -- the industry's fastest sub-6GHz modem in live verified testing

BARCELONA, Spain, Feb. 25, 2019 /PRNewswire/ -- Today at MWC 2019, MediaTek announced advancements to its 5G portfolio to power the rollout of 5G devices in 2020 for the sub-6GHz spectrum. The Helio M70 5G modem was showcased for the intelligent home running 5G data transfer speeds as well as mmWave over-the-air tests of MediaTek's 5G antenna arrays. The Helio M70 demo runs at 4.2Gbps 5G data speeds -- the industry's fastest sub-6GHz live 5G modem demonstration to date.



Helio M70, MediaTek's sub-6Ghz multi-mode 5G modem (PRNewsFoto/MediaTek Inc.)

MediaTek's 5G technology has gone through extensive industry testing and Helio M70 is expected to be in devices later this year. MediaTek is working closely with its customers, networks and technology suppliers to accelerate the rollout of 5G and power devices across mobile, home and auto by 2020.



MediaTek Accelerates Rollout of 5G with Comprehensive 5G Solutions for sub-6GHz

CISION PR Newswire 25 February 2019

Helio M70, MediaTek's multimode 5G modem, shown running 4.2Gbps 5G data transfer speeds -- the industry's fastest sub-6GHz modem in live verified testing

BARCELONA, Spain, Feb. 25, 2019 /PRNewswire/ -- Today at MWC 2019, MediaTek announced advancements to its 5G portfolio to power the rollout of 5G devices in 2020 for the sub-6GHz spectrum. The Helio M70 5G modem was showcased for the intelligent

MediaTek's 5G antenna arrays. The Helio M70 demo runs at 4.2Gbps 5G data speeds -- the industry's fastest sub-6GHz live 5G modem demonstration to date.

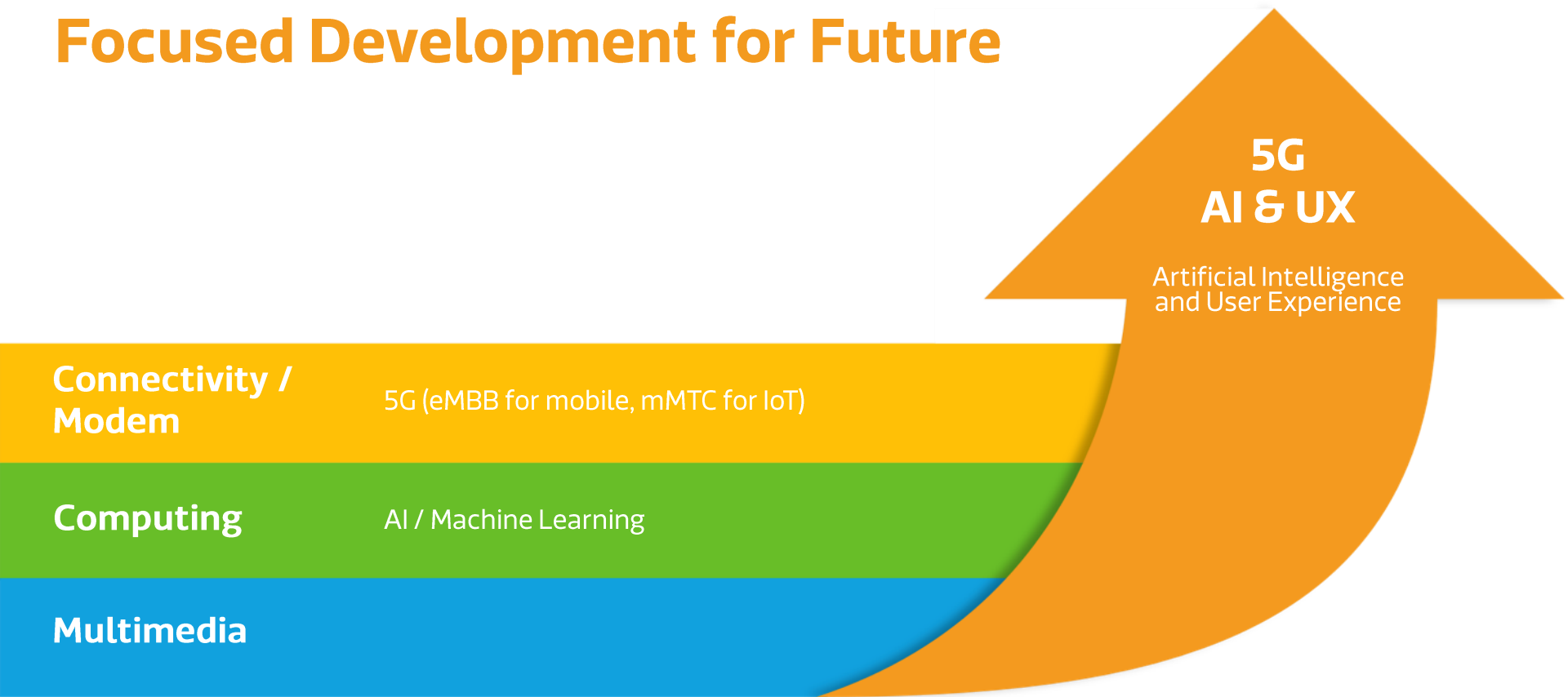


Helio M70, MediaTek's sub-6Ghz multi-mode 5G modem (PRNewsFoto/MediaTek Inc.)

MediaTek's 5G technology has gone through extensive industry testing and Helio M70 is expected to be in devices later this year. MediaTek is working closely with its customers, networks and technology suppliers to accelerate the rollout of 5G and power devices across mobile, home and auto by 2020.

#MWC19

Focused Development for Future



RESEARCH FOR 5G VERTICALS



5G VIIMA

5G VERTICAL INTEGRATED INDUSTRY FOR MASSIVE AUTOMATION

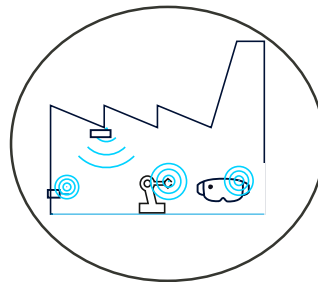
About 5G-Force and 5G-Viima

- MediaTek is participating following collaboration projects related to 5G technology:
 - 5G Force = Platform project for the 5G test networks
 - 5G-Viima = Vertical Integrated Industry for Massive Automation

Research/services, Technology enablers



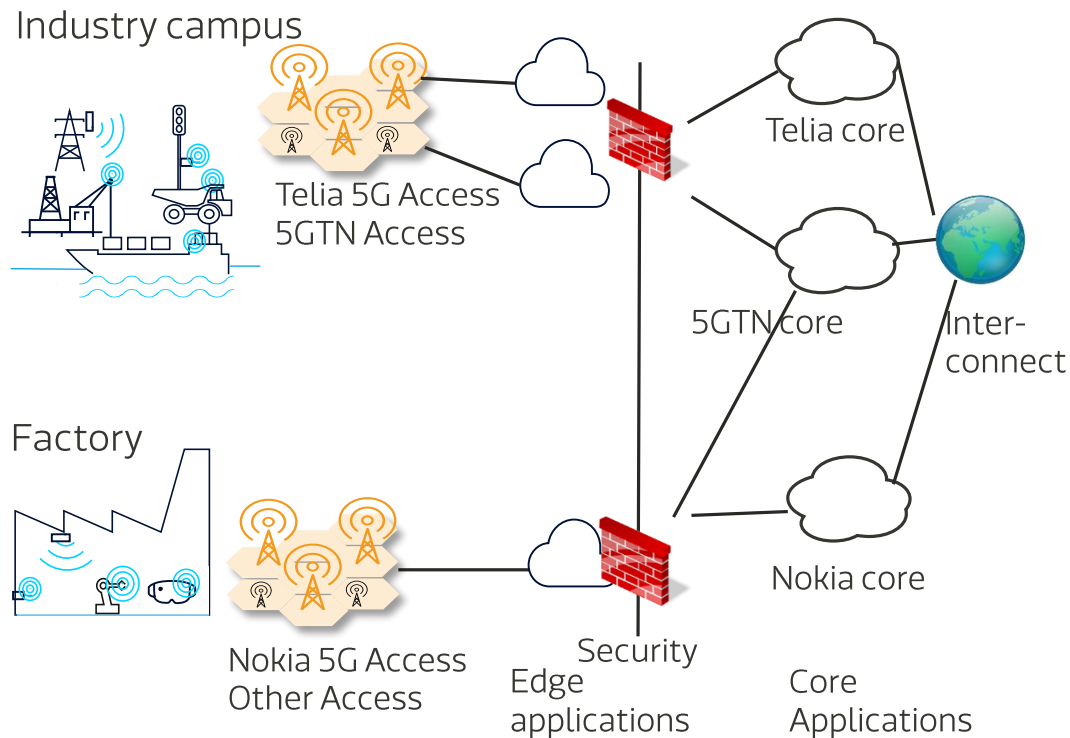
Technology users / customers



MediaTek in 5G research

Themes, research focus areas for MediaTek:

- ❑ 5G-Modems integrated to industry-level devices
 - mmW, URLLC and AI
- ❑ Run-time environment at edge cloud for service creation
- ❑ Data security
- ❑ Guaranteed quality per network user / service with Network slicing
- ❑ 5G suitability for industry use
- ❑ Interaction between private/isolated network and existing commercial network



Bringing 5G to Everyone Across Mobile, Home & Auto

This Chip Changes Everything

