

April 15, 2021

ProMat Digital Experience

Qualcomm

# IoT: Asset Logistics

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# Segments

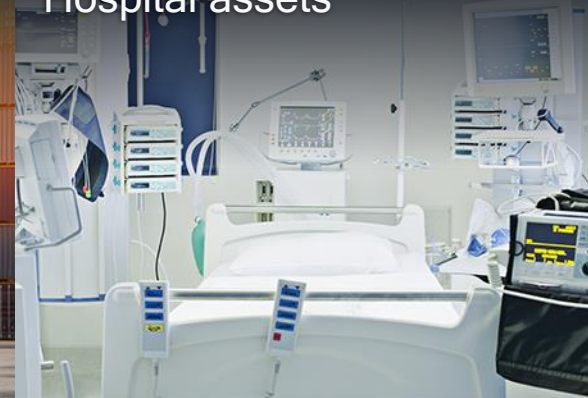
## Global industry needs

- Supply chain transparency, safety and efficiency
- Increased worker safety and health
- Environmental sustainability (efficient resource planning)
- Regulatory Compliance (e.g. DoT HoS, 21 CFR Part 11)
- Enhanced security (reduction of fraud)
- Digital twin (no more paper-based documentation)

Transportation



Hospital assets



Construction



Cold Chain



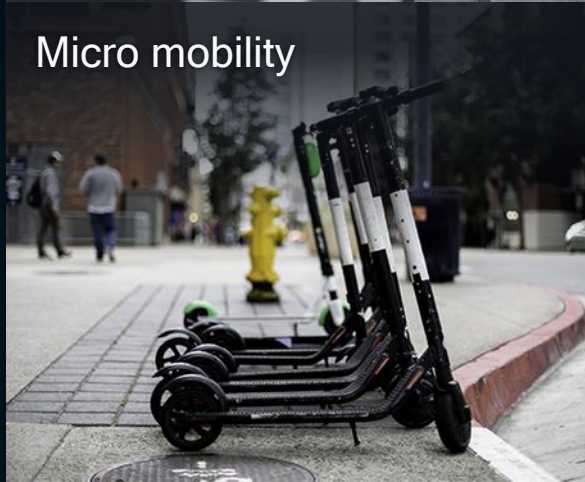
Manufacturing



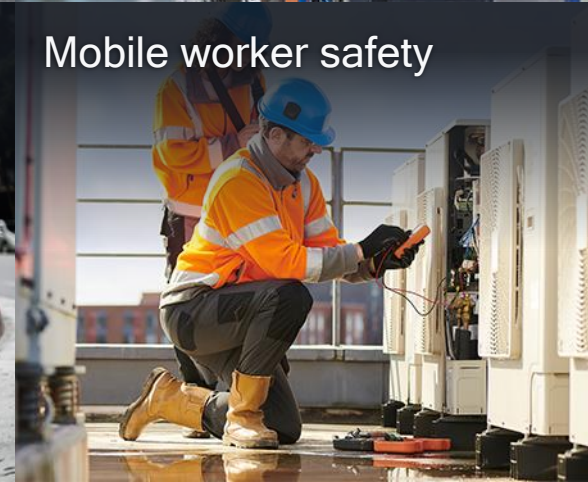
Warehousing



Micro mobility



Mobile worker safety

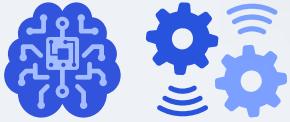


Agriculture



# Asset Management & Edge Intelligence technology trends:

Machine learning for predictive maintenance



Sensor assisted positioning



Sensor management



Ubiquitous location



Long battery life



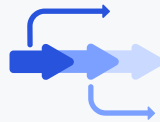
Global coverage



Scalability



Reliability



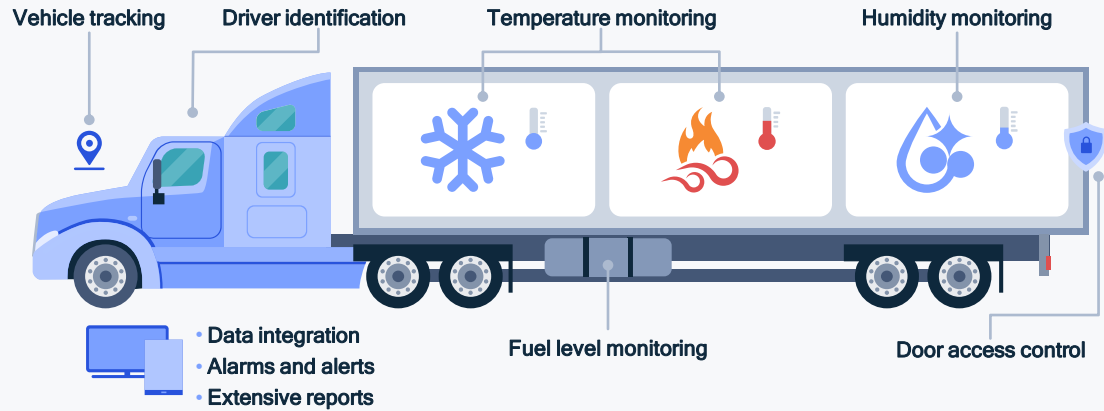
Security





# Transportation

## Cold Chain monitoring for food and pharma



Edge diagnostics



Security camera



Asset management and analytics



Vehicle tracking



Cargo sensors and tracking



# Warehouse logistics



Environmental  
sensors



Handheld  
computing



Mobile asset  
management

Indoor  
location



Placement and  
collection robot

## Compute



Powerful  
processing



Artificial  
Intelligence



Edge services/  
cloud

## Security



Industry  
4.0 + 5G

## Connectivity

5G

Gigabit LTE

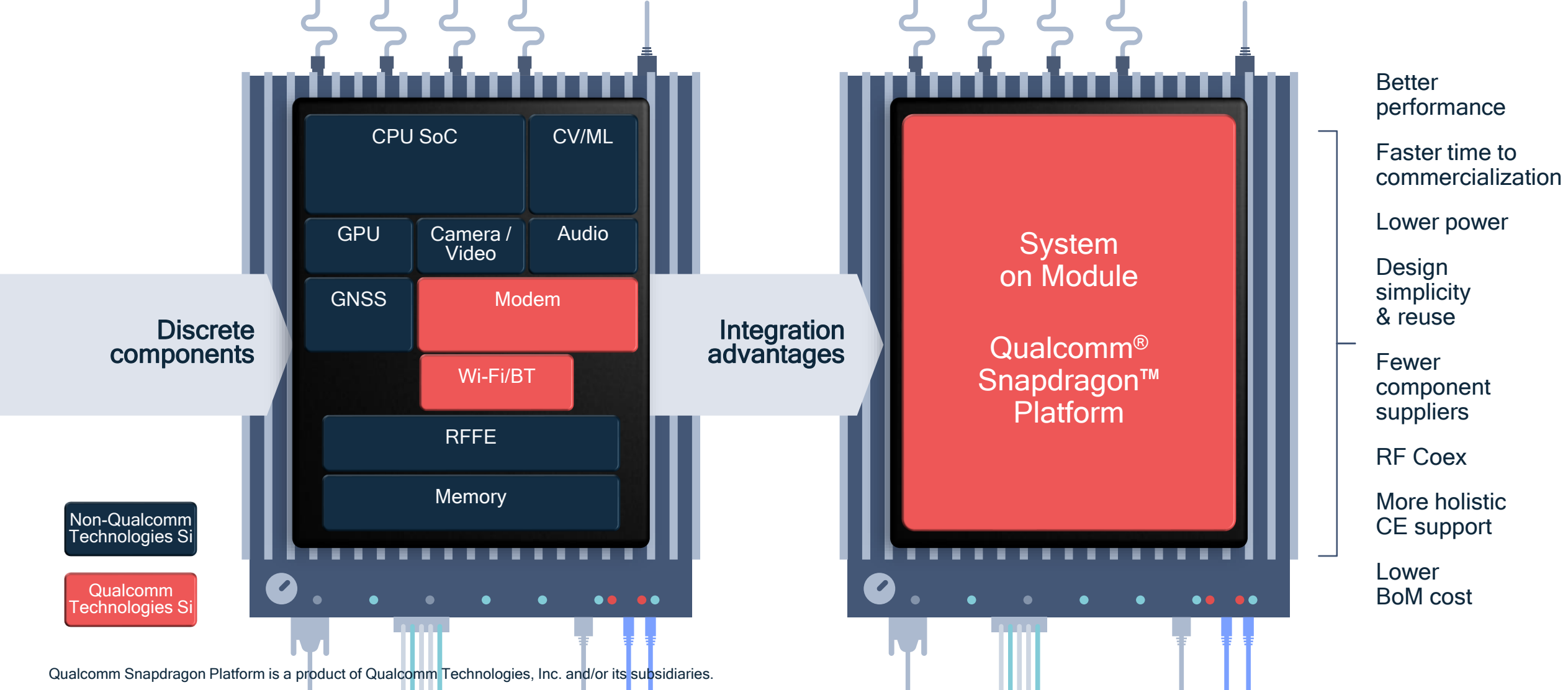
Wi-Fi

LTE IoT

BLE

Mesh

Qualcomm Technologies provides  
the foundation for future IoT innovation



# Edge Intelligence - Integration in action

# Qualcomm Technologies provides a broad portfolio of IoT SoCs to keep your tools talking

Deep learning

Camera processing

Sensor processing

Cloud integration

Computing

Security

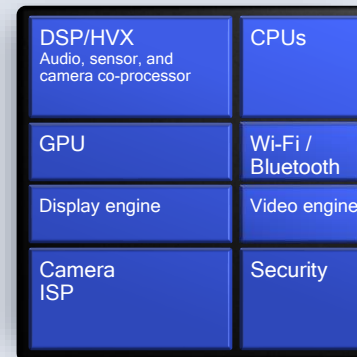
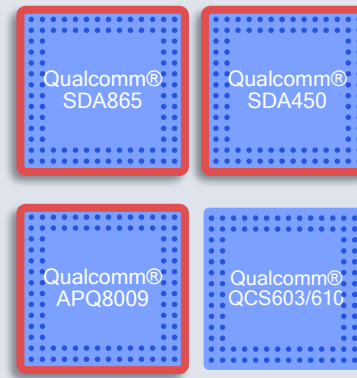
Connectivity



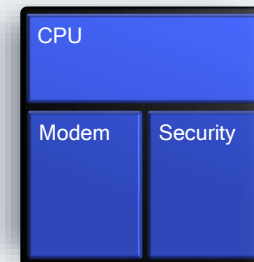
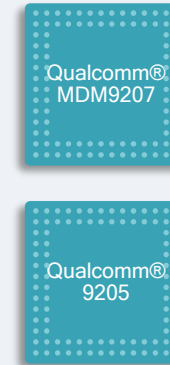
## Mobile SoC



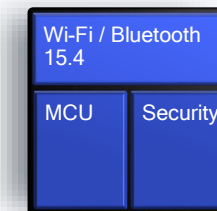
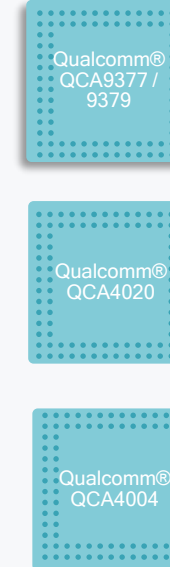
## Application SoC



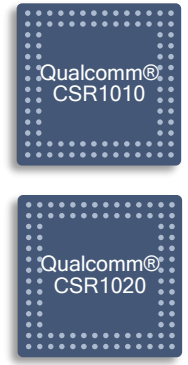
## LTE SoC



## Connectivity SoC



## Bluetooth SoC

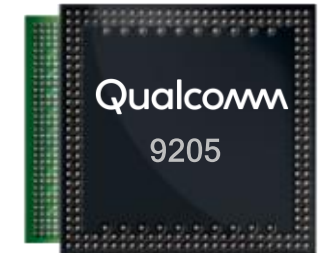
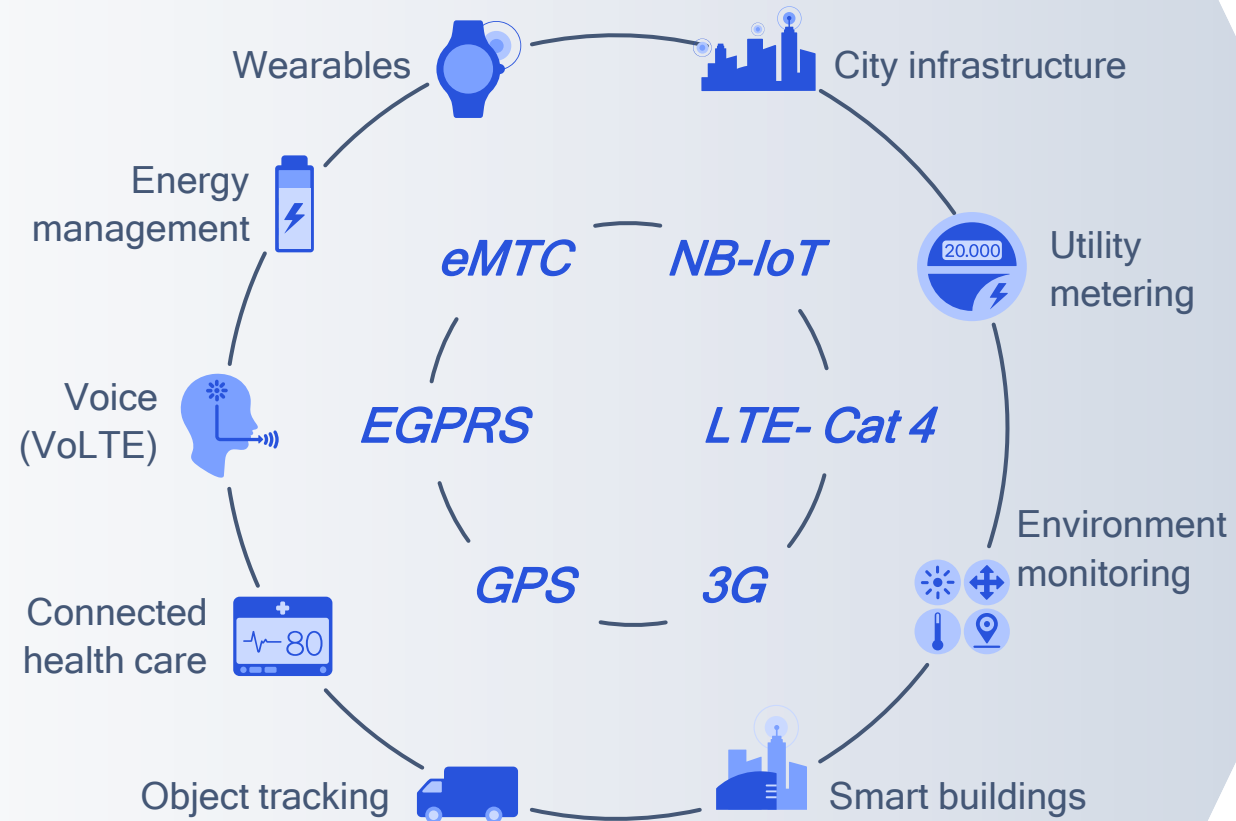


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# Qualcomm® 9205 and Qualcomm® MDM9207 Ecosystem

AM Telecom	Neoway
Askey	Pantech
Fibocom	Queclink
Gemalto	Quectel
Gemtek	Samsung
GosuncnWelink	Telit
Hisense	SIMCom
Kyocera	Sierra Wireless
Inventec	Sunsea
Longsung	u-blox
MEIG	WNC
MobileTek	... and many more

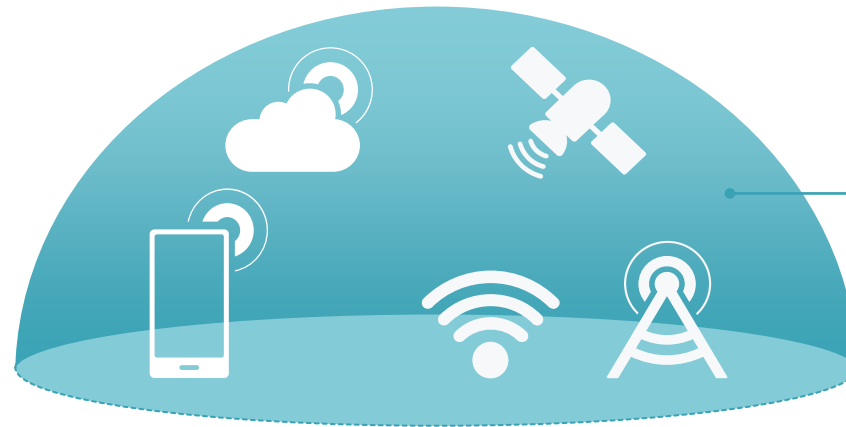


# Qualcomm® Location Suite

Fully integrated and end-to-end location platform

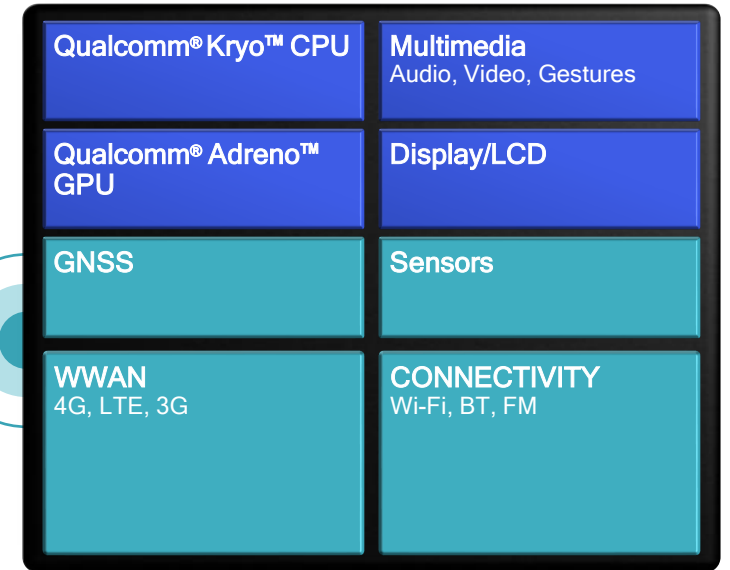
- GNSS engine
- Sensor processing
- Cellular positioning
- Wi-fi positioning
- Ultra low power Wi-Fi Positioning with Qualcomm® Wi-Fi technology

## Qualcomm Location Suite



Predicted  
Orbits

WLAN/WWAN  
Positioning



## Qualcomm Location Suite



Always-on







Low power





# Thank you

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