

# Qualcomm Announces Addition of Cost-Optimized Snapdragon X5 LTE Modem (9x07) to Extend its Offerings that Cover a Range of Cellular Connectivity from Mobile Broadband to IoT

**--Portfolio of cost optimized and low-power cellular connectivity solutions to provide more flexibility to meet a wide range of applications--**

LAS VEGAS, Jan. 5, 2016 /PRNewswire/ -- Qualcomm Incorporated (NASDAQ: QCOM) today announced that its subsidiary, Qualcomm Technologies, Inc., has expanded its leading modem portfolio across smartphones, mobile broadband devices and IoT with the new Qualcomm® Snapdragon™ X5 LTE modem (9x07). With multimode capability and supporting LTE Category 4 download speeds up to 150 Mbps, the Snapdragon X5 LTE modem (9x07) is designed to be used in a range of mobile broadband applications and in IoT use cases that demand higher data rates. The Snapdragon X5 LTE modem (9x07) joins Qualcomm Technologies' recently announced MDM9207-1 and MDM9206 IoT chipsets with pin-to-pin compatibility, as well as an onboard ARM CPU for running applications directly on the modem, enabling original equipment manufacturers (OEM) to address multiple segments while containing non-recurring engineering costs.

The Snapdragon X5 LTE modem (9x07) is designed to provide device makers, system integrators and developers with more options in supporting 4G LTE connections on major cellular networks worldwide offering a comprehensive, integrated solution that supports reduced product development costs, integration time and design complexity, as well as reducing the need for discrete processors, microcontrollers, and position location components, enabling it to occupy less space and further reduce Bill of Materials (BoM) cost; the Snapdragon X5 LTE modem (9x07) includes support for:

- FDD/TDD LTE Category 4 up to 150 Mbps downlink and 50 Mbps uplink speeds
- DC-HSPA, GSM, TD-SCDMA and cdma2000/1x multimode
- Scalable software across chipset platforms
- Advanced, built-in hardware and software security features
- Integrated support for Circuit Switched Fall Back (CSFB) and VoLTE
- Integrated Applications Processor with ARM® Cortex A7 @ 1.2 GHz
- Linux OS for application development
- Integrated positioning support for GPS, Beidou, Glonass, and Galileo
- Small package at 28nm LP to allow for optimized form factors
- Pre-integrated support for Qualcomm Atheros' Qualcomm® VIVE™ Wi-Fi 1x1, 802.11ac featuring Qualcomm Atheros' Qualcomm® MU | EFX MU-MIMO technology and BT 4.1 BLE
- Qualcomm Technologies' Qualcomm RF360™ Front End Solution

With compatible platform attributes, the MDM9207-1 supports multi-mode LTE Category 1 connectivity for lower data and lower power applications, such as smart metering, security, asset tracking, wearables, point-of-sale and industrial automation. The MDM9207-1 is capable of meeting IoT demands, including support for up to 10 years battery life from two AA batteries.

The MDM9206 modem chipset is designed as a global connectivity solution for applications such as battery powered sensors that demand the even lower power consumption and longer range enabled by LTE Cat-M1 (up to 1 Mbps downlink & uplink in 1.4 MHz) and LTE Cat-M2 (up to 500 Kbps downlink & 40 Kbps uplink NB-IOT in 180 kHz) modes. The inclusion

of both technologies enables IoT products based on MDM9206 to operate in a diverse set of operator deployments globally and thus maximize the end IoT product global reach and scalability.

"Qualcomm Technologies is excited to announce the further extension of our industry leading modem product portfolio designed to address cellular connectivity needs across the widest range of platforms, applications and global deployments," said Serge Willenegger, senior vice president of product management, Qualcomm Technologies, Inc. "Manufacturers can now enable their mobile broadband and IoT products with LTE cellular connectivity due to Qualcomm Technologies' newest products that are purpose-designed for demanding ultra low power, ultra long range and deep indoor coverage."

Both the Snapdragon X5 LTE modem (9x07) and the MDM9207-1 chipsets are expected to be available to customers at the end of this month, and both are expected to be available in commercial products in the first half of 2016. Commercial availability of the MDM9206 chipset is expected after the finalization of 3rd Generation Partnership Project (3GPP) Rel.13 LTE Cat-M1 (eMTC) and LTE Cat-M2 (NB-IOT)\_standards.

### **About Qualcomm Incorporated**

Qualcomm Incorporated (NASDAQ: [QCOM](#)) is a world leader in 3G, 4G and next-generation wireless technologies. 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 products and services businesses, including its semiconductor business, QCT. For more than 30 years, Qualcomm ideas and inventions have driven the evolution of digital communications, linking people everywhere more closely to information, entertainment and each other. For more information, visit Qualcomm's [website](#), [OnQ blog](#), [Twitter](#) and [Facebook](#) pages.

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