MDM9206 IoT Modem

The MDM9206 LTE modem is designed as a global multi-mode connectivity solution and purpose-built to provide reliable, optimized cellular connectivity for the next-generation of IoT products and services requiring low bandwidth and years of battery-life. The MDM9206 narrowband multi-mode LTE modem combines the high reliability, low latency, and voice support of LTE Cat-M1 (eMTC) with the extended coverage and delay tolerance of Cat NB-1 (NB-IoT), engineered to allow device manufacturers to support ultra-low power consumption and cost-optimized solutions that cover full range of low data rate IoT applications. The inclusion of both technologies as well as E-GPRS along with support of up to 15 global spectrum bands in MDM9206, can allow OEMS to develop products based on single SKU to function in a diverse set of operator deployments worldwide, and thus helping to maximize the IoT products global reach and scalability.

Features

Cellular Modem

LTE Category

- LTE Cat-M1
- LTE Cat-NB1

Peak Download Speed

- 300 kbps [1]
- 20 kbps [2]

Peak Upload Speed

- 375 kbps [3]
- 60 kbps [4]

Supported Cellular Technologies

- LTE HD-FDD [5]
- LTE TDD [6]
- E-GPRS

Next Generation Calling Services

- VoLTE [7]

Location

Satellite System Support

- GPS
- GLONASS
- Beidou
- Galileo [8]

CPU

- CPU Cores: ARM Cortex A7
- CPU Clock Speed: Up to 1.3 GHz

RF

- 15-band RF

Software Options

- Linux
- ThreadX

Power Management

- Power Save Mode
- Extended Discontinuous Receive (eDRX)

Security Support

- Qualcomm® Trusted Execution Environment
- Crypto Engine
- Secure Boot

1. Cat-M1 mode
2. Cat-NB1 mode
3. Cat-M1 mode
4. Cat-NB1 mode
5. LTE Cat-M1 (eMTC) and LTE Cat-NB1 (NB-IoT)
6. LTE Cat-M1 (eMTC)
7. Cat-M1 only
8. Capable

applicable.
Materials that are as of a specific date, including but not limited to press releases, presentations, blog posts and webcasts, may have been superseded by subsequent events or disclosures.
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. Qualcomm products referenced on this page are products of Qualcomm Technologies, Inc. and/or its subsidiaries.