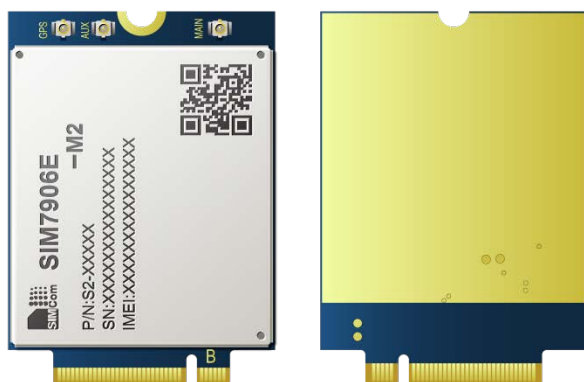


SIM7906E-M2



Multi-Band

FOTA

M.2

VoLTE

Compact
Size

GNSS

TCP/IP

USB 3.0

SSL

Product Description

The SIM7906E-M2 is Multi-Band LTE-FDD/LTE-TDD/HSPA+ module solution in a M.2 type which supports LTE CAT6 up to 300Mbps data transfer.

It has strong extension capability with rich interfaces including UART, USB3.0, GPIO etc. The module provides much flexibility and ease of integration for customer's application.

The package of SIM7906E-M2 is M.2,TYPE 3042-S3-B. AT commands of SIM7906E-M2 are mostly compatible with SIM7500/SIM7600 Series modules. This also minimize the investments of customers, and enables a short time-to-market.

It is designed for applications that need high throughput data communication in a variety of radio propagation conditions. Due to the unique combination of performance, security and flexibility, this module is ideally suited for many applications.

Key Benefits

- Standard M.2 interface.
- High throughput data communication.
- The AT commands of SIM7906E-M2 are mostly compatible with SIM7500/SIM7600 Series modules.

Smart machine Smart decision

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General Features

- Supply voltage range: 3.135V~ 4.4V, Typ: 3.7V
- Control Via AT Commands
- Operation temperature: -30°C to +70°C
- Dimensions: 42.0*30.0*2.3mm
- Weight: 6.3g
- LTE-TDD/LTE-FDD/WCDMA
- Support DL 2XCA
- GNSS (GPS, GLONASS and BeiDou)

Other Features

- USB Driver for Microsoft Windows 2000/XP/Vista/Win7/Win8/Win10
- USB Driver for Linux /Android
- RIL supporting for Android 2.3/4.0/5.0/6.0/7.0
- MBIM to Win8
- Firmware update via USB
- TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS /HTTP/HTTPS/DNS
- SSL3.0/TLS1.0/TLS1.2
- FOTA

Data

- Uplink up to 50Mbps
- Downlink up to 300Mbps

Interfaces

- USB3.0 x1 (high-speed)
- USB2.0 x1 (high-speed)
- UART x1 (4-wire UART)
- SIM card x1 (1.8V and 3V)
- PCIE x1
- PCM x1
- I2C x1
- GPIO x1
- Antenna x3

Frequency

FDD-LTE	B1/B3/B5/B7/B8/B20/B28/B32
TDD-LTE	B38/B40/B41
DL 2XCA	B1+B1/B5/B8/B20; B3+B3/B5/B7/B8/B20/B28; B7+B5/B7/B8/B20/B28; B20+B32; B38+B38; B40+B40; B41+B41;(Note:B32 is only for secondary component carrier)
WCDMA	B1/B3/B5/B8

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