

SIM8262E-M2 5G Communication Module

\$239.00

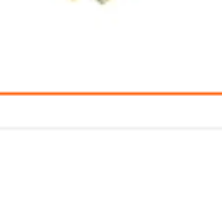
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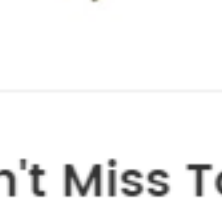
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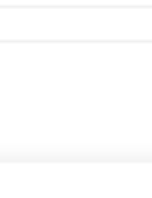
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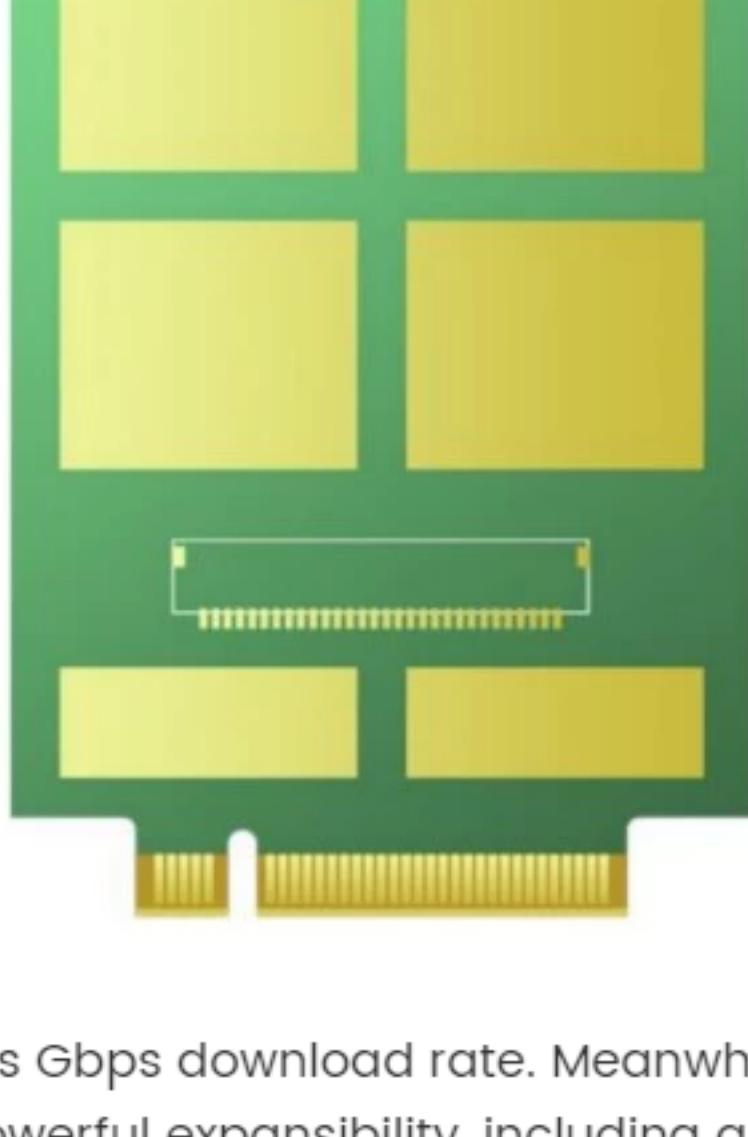


Introduction

SIM8262E-M2 is a 5G wireless communication module that supports 5G NR (NSA/SA), LTE-FDD, LTE-TDD, and WCDMA, and can meet the 3GPP R16NR specification. The module supports maximum 3.0Gbps downlink rate. It has optional GNSS system including dual-band GPS, GLONASS, BeiDou, Galileo, and QZSS.



The SIM8262E-M2 adopts M.2 form factor and M.2 B KEY interface and consists of a SIM8262E module and a M.2 adapter board. It is easy for customers to integrate. The module integrates multiple satellite high-accuracy positioning GNSS systems with multiple built-in network protocols, which is suitable for LTE, UMTS, and GSM networks with global coverage and supports drivers for main operation systems (Windows, Linux, and Android, etc.) and software functions like FOTA, LBS, TLS, etc. Users can debug the module via AT commands of all kinds.



Equipped with Qualcomm Snapdragon X62, the module offers Gbps download rate. Meanwhile, the SIM8262E-M2 integrates mainstream industrial standard interfaces, with powerful expansibility, including abundant interfaces such as USB3.1, PCIe4.0, (U)SIMcard, digital audio (I2S or PCM), I2C, and GPIOs, which is suitable for main IoT applications such as smart cities, 4k/8K HD video, healthcare, CPE, virtual reality and smart education, etc.



Features

- Supports maximum 3.0Gbps downlink rate
- Suitable for LTE, UMTS, and GSM networks with global coverage
- Supports drivers for main operation systems (Windows, Linux, and Android, etc.)

Applications

- Applicable Regions: Europe/Australia/Japan
- Smart cities
- 4k/8K HD video
- Healthcare
- CPE
- Virtual reality and smart education

Specification

Frequency Band

- 5G NR: n1/n3/n5/n7/n8/n18/n20/n26/n28/n38/n40/n41/n48/n66/n77/n78/n79
- LTE-FDD: B1/B3/B4/B5/B7/B8/B18/B19/B20/B26/B28/B32/B66
- LTE-TDD: B38/B39/B40/B41/B42/B43/B48
- WCDMA: B1/B5/B8
- GNSS: L1+L5

Data Transfer

- NSA: 3.0Gbps(DL)/660Mbps(UL)
- SA: 2.0Gbps(DL)/900Mbps(UL)
- LTE: 1Gbps(DL)/150Mbps(UL)
- HSPA+: 42Mbps(DL)/5.76Mbps(UL)

Software Features

- GNSS: GPS/GLONASS/Beidou/Galileo/QZSS
- Operation System: Windows/Linux/Android
- Communication Protocol: TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTTs/DNS/SSL3.0
- TLS: support
- FOTA: support
- File System: support
- SMS: support MT, MO, CB, Text, PDU
- Firmware Upgrade via USB

Hardware Specifications

- SIM card:
 - Support (U)SIM card:1.8V/3.0
 - Support (U)SIM1 and (U)SIM2 interfaces
 - Support dual (U)SIM single standby
- USB:
 - Support USB 3.1 Gen2 or USB 2.0
 - USB3.1: data rate up to 10Gbps
 - USB2.0: supports USB operations at high speed and full speed, downward compatible with USB1.0 and USB1.1
- PCIe:
 - One lane PCIe interface, support Gen 4 (Gen 1/2/3 downward compatible) □
 - High communication data rate which up to 16Gbps
- I2C: Meet I2C specification, version 5.0 Data rate up to 400Kbps
- UART: Configures as normal communication UART(ATcommand) by default
- Antenna: IPEX4 (Four antennas for 3G/4G/5G and GNSS)
- Power Supply: 3V-4.4V
- Form Factor: M.2 B KEY
- Dimension: 42.0*30.0*2.3mm/1.65*1.18*0.09"
- Operating Temperature: -40°C to +85°C

Documents

- [Linux Driver](#)
- [Drive](#)
- [Hardware Design](#)
- [AT CommandManual](#)

Shipping List

- SIM8262E-M2 5G Communication Module x1

IoT Projects

Information

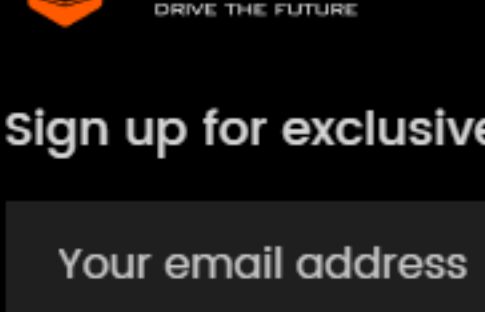
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