SIM7600G-H-M2 4G Communication Module

$48.90

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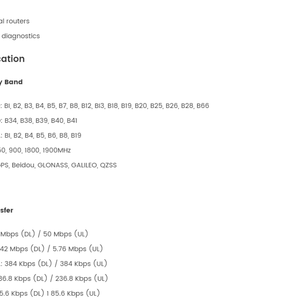
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Introduction

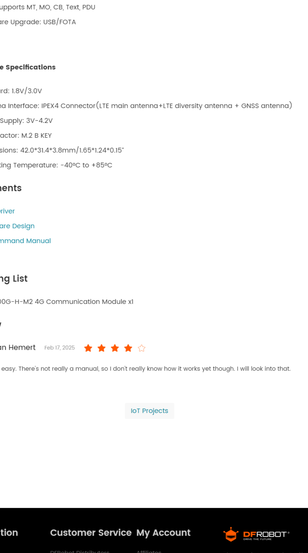
The SIM7600G-H-M2 is the LTE Cat 4 module that supports wireless communication modes of LTE-TDD, LTE-FDD, HSPA+, GSM, GPRS, EDGE, etc. It supports maximum 150Mbps downlink rate and 50Mbps uplink rate.



The SIM7600G-H-M2 adopts M.2 form factor and M.2 B KEY interface and consists of a SIM7600-H 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.



Meanwhile, the SIM7600G-H-M.2 integrates mainstream industrial standard interfaces, with powerful expansibility, including abundant interfaces such as UART, USB, and GPIO, which is suitable for main IoT applications such as telematics, surveillance devices, CPE, industrial routers, and remote diagnostics, etc.



Features

- Supports maximum 150Mbps downlink rate and 50Mbps uplink rate
- Integrates mainstream industrial standard interfaces

Applications

- Telematics
- Surveillance devices
- CPE
- Industrial routers
- Remote diagnostics

Specification

Frequency Band

- LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B66
- LTE-TDD: B34, B38, B39, B40, B41
- WCDMA: B1, B2, B4, B5, B6, B8, B19
- GSM: 850, 900, 1800, 1900MHz
- GNSS: GPS, Beidou, GLONASS, GALILEO, QZSS

Data Transfer

- LTE: 150 Mbps (DL) / 50 Mbps (UL)
- HSPA+: 42 Mbps (DL) / 5.76 Mbps (UL)
- WCDMA: 384 Kbps (DL) / 384 Kbps (UL)
- EDGE: 236.8 Kbps (DL) / 236.8 Kbps (UL)
- GPRS: 85.6 Kbps (DL) I 85.6 Kbps (UL)

Software Features

- Operating System: Windows/Linux/Android
- Protocol: TCP, IP, IPV4, IPV6, Multi-PDP, FTP, FTPS, HTTP, HTTPS, DNS
- SMS: supports MT, MO, CB, Text, PDU
- Firmware Upgrade: USB/FOTA

Hardware Specifications

- SIM Card: 1.8V/3.0V
- Antenna Interface: IPEX4 Connector(LTE main antenna+LTE diversity antenna + GNSS antenna)
- Power Supply: 3V~4.2V
- Form Factor: M.2 B KEY
- Dimensions: 42.0*31.4*3.8mm/1.65*1.24*0.15"
- Operating Temperature: -40ºC to +85ºC

Documents

- Linux Driver
- Hardware Design
- AT Command Manual
- Drive

Shipping List

- SIM7600G-H-M2 4G Communication Module x1

Review

Julian.van Hemert Feb 17, 2025

Setup was easy. There's not really a manual, so I don't really know how it works yet though. I will look into that.

IoT Projects

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