





Specifications

Modem SIM7600X-H

Proccessor Arm Cortex M0

Dimensions 65 x 65 x 11mm

Power Operates at 3.3V, Micro USB socket 5V, 3.6 – 4.2V LiPo battery

Power Consumption Idle ~25mA

Modem on ~100mA Sending SMS ~200mA Making Call ~250mA Transmitting Data ~400mA

Regions America, Asia, Europe

Connectors:

Micro USB 2 x USB 2.0 Connector

Sim Card Micro Sim

GPIO Connector 40-pin 2.54 mm (100 mil) expansion header: 2x20 strip

Battery Terminal 2-pin 3.5mm battery terminal

GPS U.FL Connector

Antenna SMA Female

HAT Features

• LTE Cat 4 (150MBs downlink 50MBs uplink

• GPS/GLONASS/Beidou compatible • 3G and 2G Fallback

Supports 3.7-4.2V Lipo battery
 Widows and Linux Drivers for modem

Fuel Gauge for advanced battery monitoring.
 Linux Driver avaliable for battery management.

Key Applications

Mobile data hotspot

Robotics

· Media Streaming

- Nobotics

• Industrial/Home automation

Server/cloud server

IoT applications

Print server

Security monitoring

GPS Tracking

Gaming

Wireless access point

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• Environmental sensing/monitoring (e.g. weather station)





IoT Bit 4G Industrial

Product Description

The IoTBit 4G Industrial Version has been designed with the factory of tomorrow in mind providing a super fast cat 4 4G modem for faster connectivity, a GPS for highly accurate positioning information and advanced battery management hardware and software to enable you to keep track of battery health and state of charge. This is the perfect module for developers creating factory automation solutions and every component is industrially rated.

Frequency Bands

Module / Region	LTE-TDD	LTE-FDD	UTMS/HSPA	GSM/GPRS/EDGE	Network lock
SIM7600E-H Europe, The Middle East, Africa, Korea and Thailand	B38/B40/B41	B1/B3/B5/B7 /B8/B20	B1/B5/B8	B3/B8	No
SIM7600A-H North America		B2/B4/B12	B2/B5		No
SIM7600SA-H Australia, New Zealand, South America	B40/B66	B1/B2/B3/B4/ B5/B7/B8/B28	B1/B2/B5/B8	850/900/1800/ 1900MHz	No

GNSS Technology: GPS/GLONASS/Beidou

