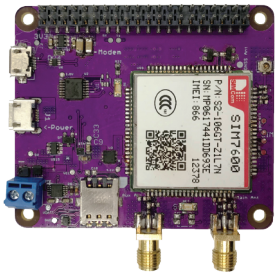
IoT Bit
INTERNET OF THINGS MODULES IN BIT'S



IoT Bit 4G Industrial

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	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
- Media Streaming
- Industrial/Home automation
- Print server
- GPS Tracking
- Wireless access point
- Environmental sensing/monitoring (e.g. weather station)
- IoT applications
- Robotics
- Server/cloud server
- Security monitoring
- Gaming

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IoT Bit 4G Industrial

Product Name	**IoT Bit 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