

IoT Bit 3G

Specifications

Modem	(14.4 mbps down/ 5.76 mbps up) Good for large downloads and video streaming.
Processor	Arm Cortex M0
Dimensions	65 x 65 x 11mm
Power	Operates at 3.3V, Micro USB socket 5V1, 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 battery terminal
GPS	U.FL Connector
Antenna	SMA Female

HAT Features

- 3G Mobile Data for the Raspberry Pi
- Single terminal command set-up
- Modular GPS antenna support
- Compatible with Sensly HAT
- Supports any micro sim
- Real Time Clock
- High-efficiency power regulation
- Compatible with solar panels & battery packs

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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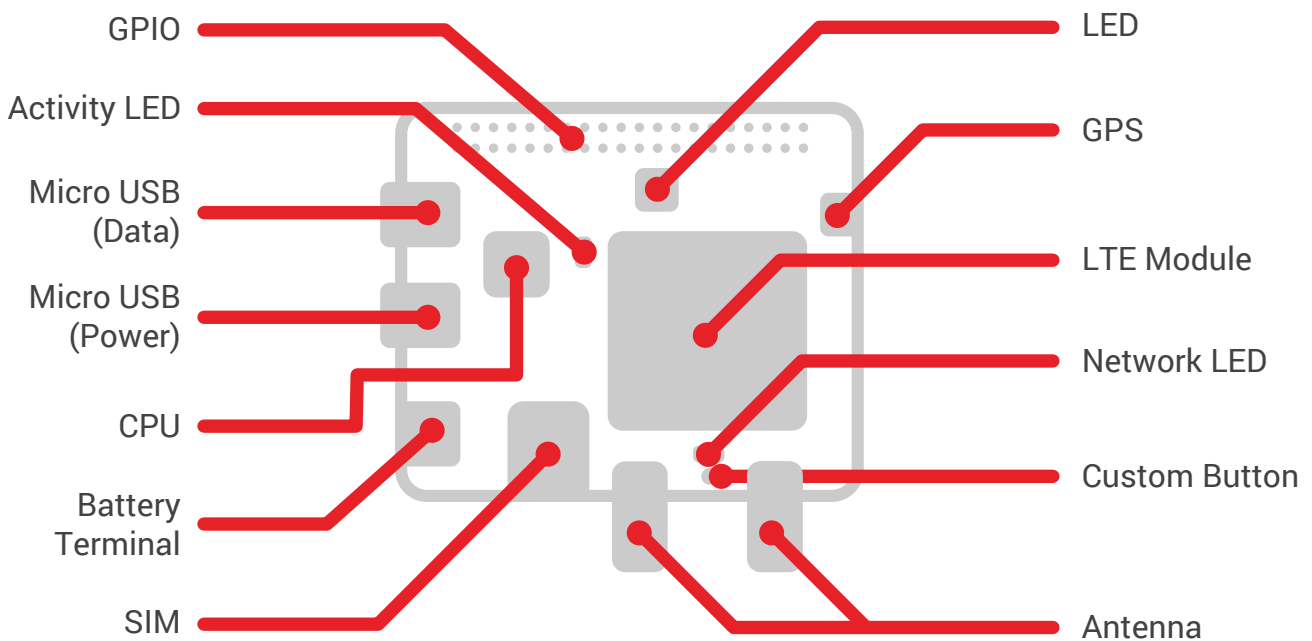
Product Name

IoT Bit 3G

Product Description

IoT Bit is proud to present the 3G Development board, a 3G HAT for the Raspberry Pi which provides mobile data for the Raspberry Pi and other mini computer. Our intelligent HAT module provides your Raspberry Pi with mobile data, GPS position- ing information and battery support. This is the perfect module for hackers, scientists, and creators as it gives your Pi powerful connectivity wherever you are. Simply plug our module into your Raspberry Pi and start playing.

Board Layout:



IoT Bit 3G

LTE Region

Module / Region	Dual Band	Quad Band	GNSS Technology	Certification	Network lock
SIM5360A (North America, South America)	850/1900MHz	850/900/1800/1900MHz	GPS, GLONASS	FCC, ROHS, REACH	No
SIM5360E (Europe)	900/2100MHz	850/900/1800/1900MHz	GPS, GLONASS	CE, GCF, ROHS, REACH, CCC, CTA	No
SIM5360JE/JD (Asia, Africa, Oceania)	800(850)/2100MHz	850/900/1800/1900MHz	GPS, GLONASS	Telec, JATE, ROHS, REACH	No

