IoT Bit 3G

Specifications

Modem	(100 mbps down/ 50 mbps up) Excellent 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
Antenna	SMA Female
GPS	U.FL Connector

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
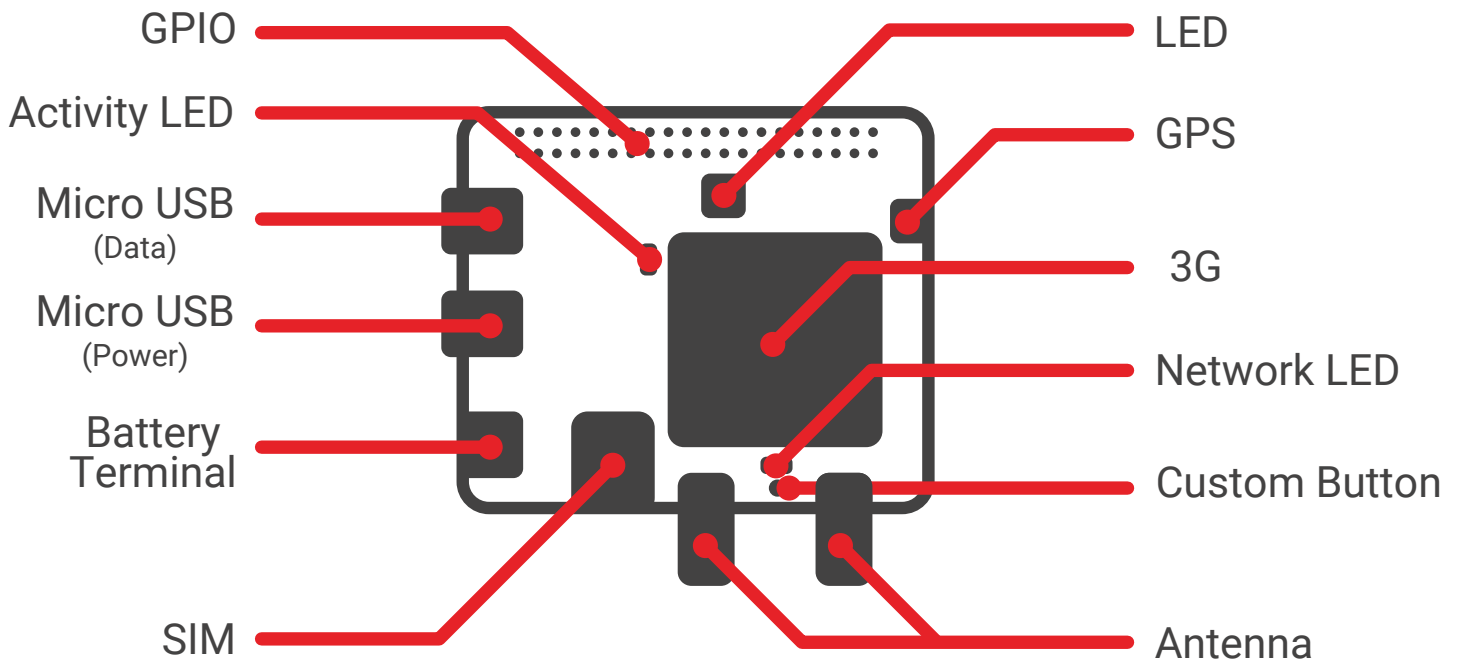- Server/cloud server
- Security monitoring
- Gaming

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 positioning 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.

GPIO

Activity LED

Micro USB
(Data)

Micro USB
(Power)

Battery
Terminal

SIM

LED

GPS

3G

Network LED

Custom Button

Antenna

Mouser Electronics

Authorized Distributor

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