

## IoT Bit 4G

### Specifications

<b>Modem</b>	(100 mbps down/ 50 mbps up) Excellent for large downloads and video streaming.
<b>Processor</b>	Arm Cortex M0
<b>Dimensions</b>	65 x 65 x 11mm
<b>Power</b>	Operates at 3.3V, Micro USB socket 5V1, 3.6 – 4.2V LiPo battery
<b>Power Consumption</b>	Idle ~ <b>25mA</b> Modem on ~ <b>100mA</b> Sending SMS ~ <b>200mA</b> Making Call ~ <b>250mA</b> Transmitting Data ~ <b>400mA</b>
<b>Regions</b>	America, Asia, Europe

### Connectors:

<b>Micro USB</b>	Micro USB 2 x USB 2.0 Connector
<b>Sim Card</b>	Micro Sim
<b>GPIO Connector</b>	40-pin 2.54 mm (100 mil) expansion header: 2x20 strip
<b>Battery Terminal</b>	2-pin battery terminal
<b>Antenna</b>	SMA Female
<b>GPS</b>	U.FL Connector

### HAT Features

- 4G 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



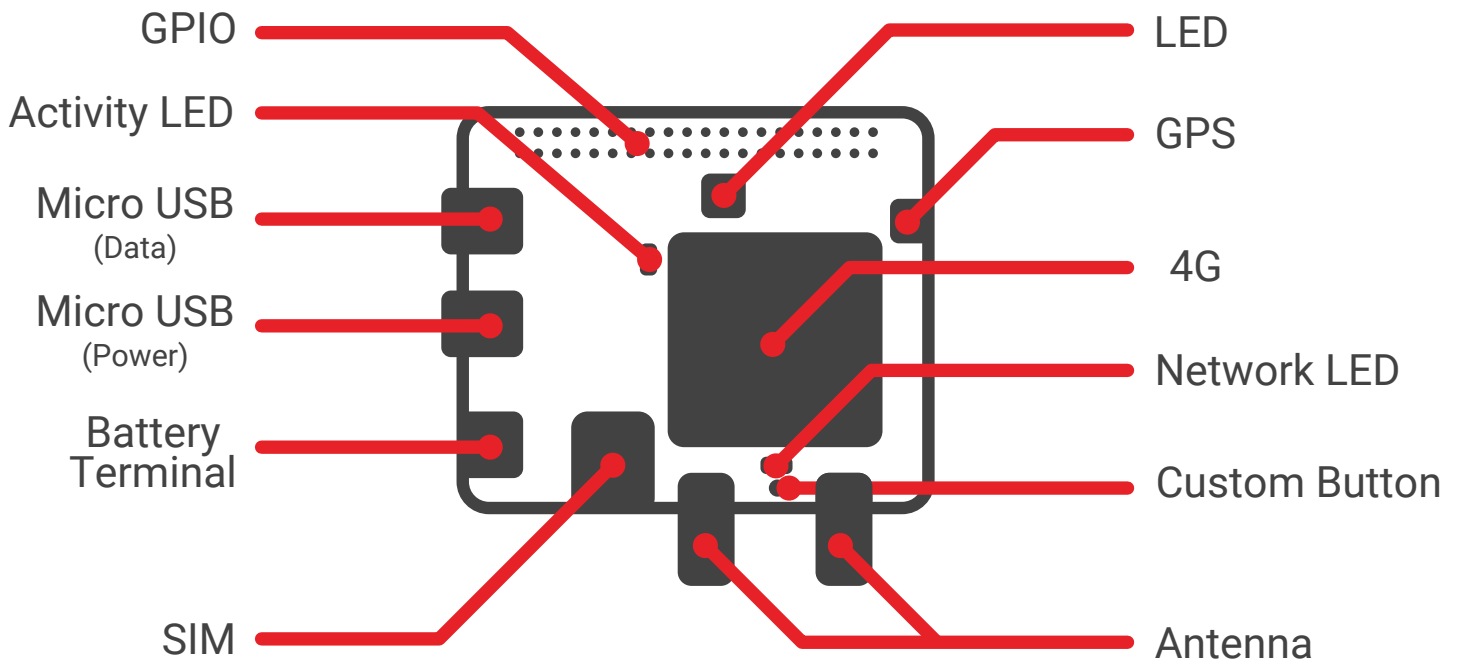
## IoT Bit 4G

**Product Name**

**IoT Bit 4G**

**Product Description**

IoT Bit is proud to present the 4G Development board, a 4G 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.



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