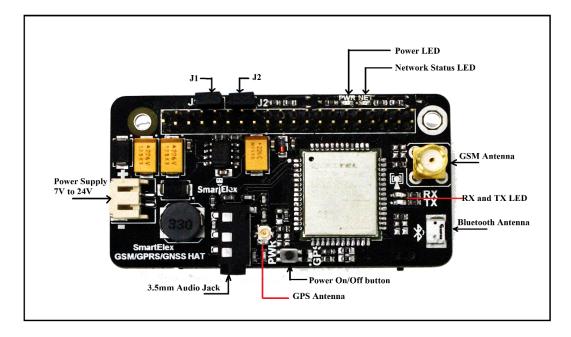# SmartElex

GSM/GPRS/GNSS Bluetooth HAT

Features:

- **Quad-band full-featured GSM/GPRS (850/ 900/ 1800/ 1900MHz).**
- **Integrated the GNSS technology for satellite navigation. Multi navigation constellation: GPS/ GLONASS/ QZSS.**
- **GNSS receiver channels: 99 acquisition/ 33 tracking channels**
- **Works on 7V ~ 24V.**
- **Operates at -35°C ~ +80°C.**
- **Include Onboard Bluetooth BT 3.0 with antenna.**
- **Controlled via AT commands.**
- **Autobauding 4800bps to 115200bps.**
- **Maximum download speed 85.6kbps.**
- **Send/Receive SMS**
- **Make/Receive voice call with 3.5mm audio jack.**

Shield Connection with Raspberry Pi:

HAT	Raspberry Pi Pins
Rx	GPIO14 / BCM14 /UART0 Tx
Tx	GPIO15 / BCM15/ UART0 Rx
Reset	GPIO25 / BCM25

Note: To Power on Shield Press Power button for moment (5s to 10s) and press same button to power down shield.

Jumpers: J1- connects RX of GPS MC60 to Tx of Raspberry pi (GPIO14/BCM14/UART0 Tx)

J2- connects TX of GPS MC60 to Rx of Raspberry pi (GPIO15/BCM15/UART0 Rx)