

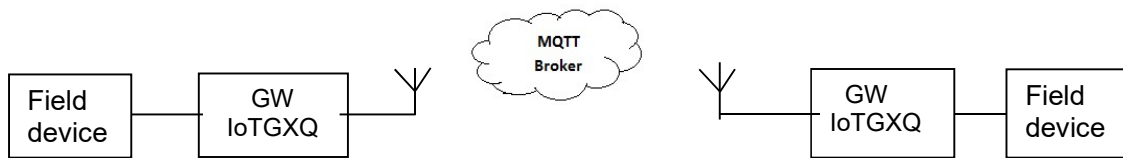
Specification sheet for Cellular IoT Gateway with MQTT. Model GW IoT GXQ



GW IoT GXQ is used for automatic communication between multiple field devices using 2G/4G enabled SIM cards. These units can communicate to each other through centrally hosted MQTT broker. MQTT broker is hosted on cloud or static IP. Thus, these units establish a transparent data link for any external Field devices such as PLC and RTU.

General Specifications

- Transparent data transmission over 2G/4G data network.
- Configurable for publishing and subscribing topic for MQTT.
- Industrial power terminal block for 18V ~ 36V DC operation.
- Configuration through USB interface
- Automatic redial in case of disconnection in the network.



Cellular Specifications

- High Performance Quectel Module
- Band:
 - GW IoT G1Q: GSM 850/900/1800/1900MHz
 - GW IoT G8Q: (For India only)
 - LTE FDD B1/B3/B5/B8
 - LTE TDD B38/B39/B40/B41
 - WCDMA: B1/B8
 - TD-SCDMA: B34/B39
 - CDMA:BC0
 - GSM 900/1800MHz
- Bandwidth:
 - GW IoT G1Q: Max. 85.6kbps (Uplink & Downlink)
 - GW IoT G8Q:
 - LTE FDD - Max. 150Mbps (DL) & Max. 50Mbps (UL)
 - LTE TDD- Max 130Mbps (DL) & Max 35 Mbps (UL)
 - DC-HSDPA – Max 42 Mbps (DL)
 - HSUPA- Max 5.76 Mbps (DL)
 - WCDMA-Max 384Kbps (DL)/Max 384 Kbps (DL)
 - TD-SCDMA: Max 4.2 Mbps (DL)/Max 2.2 Mbps (UL)
 - EVDO: Max 3.1 Mbps (DL)/Max 1.8 Mbps (UL)
 - 1x Advanced: Max 307.2 Kbps (DL/UL)
 - EDGE: Max 296 Kbps (DL)/Max 236.8 Kbps (UL)
 - GPRS: Max 107Kbps (DL)/Max 85.6 Kbps (UL)

San Telequip (P) Ltd.,
504 & 505, Deron heights
Baner Road, Baner Pune 411 045
Phone: +91-20-27293455, 9764027070, +91-8390069393
Email: info@santelequip.com



Connecting. Converting. Leading !

RTU interface

- Serial port : RS485 or RS232, 3 pin Screw type connector, Default RS485
- Data bits : 7,8
- Stop bits : 1,2
- Parity : None, Even, Odd
- Baud rate : 2400 to 115200 bps

Console interface

- USB port : Mini USB connector
- Speed : USB 2.0 Hi-Speed (480Mbits/Second) and Full speed
12Mbits/Second compatible

Power Supply

- 24V DC (Range: 18 to 36V)
Screw type 3 pin connector with 3.81mm pitch
- Power consumption
1.68 W @24VDV During no data communication
3.12W @24VDC During data transmission mode

Note : Adapter not in scope of supply, Input 230V AC, Output 24VDC, 1A

Accessories

- Antenna : SMA Connector. Antennae cable length 3m
- SIM & Holder : Push Type
- RTU Interface : Screw type connector
- Console : Mini USB cable

Environmental Conditions

- Operating Temperature : -25° to 80°C.
- Relative Humidity : 90 % Rh non condensing.

Mechanical

- Enclosure : Metallic Enclosure with DIN rail and wall mounting.
- Dimension : 36 mm X 105 mm X 127 mm (Excluding antenna).
- LED Indication: Power ON, Rx, Tx & Network status.

Ordering Information GW IoT G8Q-YYY

GW IoT : Cellular IoT Gateway
G8 : 4G Support
Q : MQTT Protocol
YYY : 232 for RS232 interface
: 485 for RS485 interface

Note: 4G model is for Indian frequency bands only. For usage of 4G model outside India, please contact San Telequip office.