

GSX8-LTE

IoT/M2M Data Logger

Optimized LTE Cat 1



GSX8-LTE is a series of LTE Cat 1 data loggers optimized for M2M and IoT applications. It is power efficient, making it best for battery operated devices. Designed in the compact form factor, **GSX8-LTE** provides multiple I/O and RS485 Modbus which allows flexible implementation in various industries.

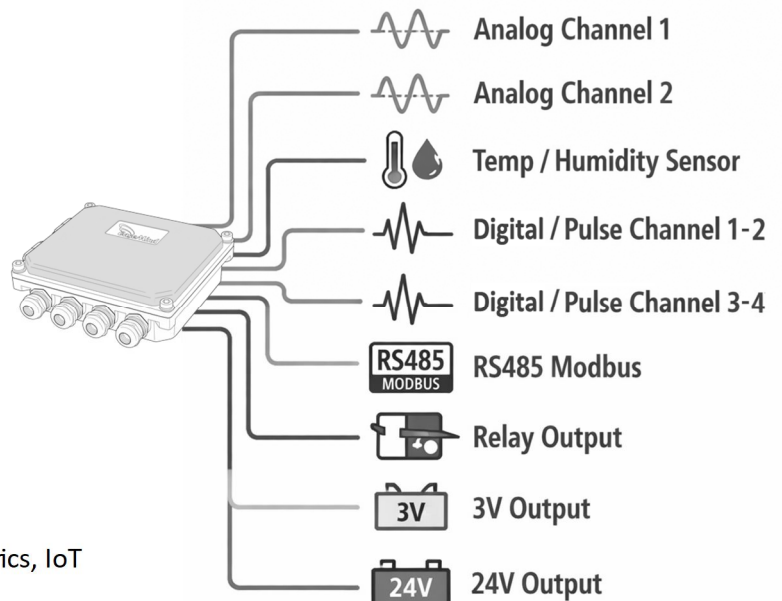
GSX8-LTE contains 4 variants:

- ❖ **GSX8-LTE-MB** ensures all functionality and inputs in one single device.
- ❖ **GSX8-LTE-TH** is dedicated to monitoring temperature and humidity.
- ❖ **GSX8-LTE-AD** is embedded with dual analog channels.
- ❖ **GSX8-LTE-RS** offers multiple devices communication via RS485 Modbus protocol.



Key Benefits:

- ✓ High-efficient low power LTE CAT1 module
- ✓ Cost effective using low bandwidth LTE
- ✓ Protocols: UDP, TCP, MQTT
- ✓ 5 years battery operation
- ✓ Setup through USB or wireless Bluetooth
- ✓ Auto mobile network clock synchronization
- ✓ Backward compatible with GSM
- ✓ Turnkey solution ready
- ✓ Best for smart meters, environmental, logistics, IoT



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Features

- * Programmable Server IP or DDNS, and port
- * Multiple Protocol TCP, UDP
- * MQTT protocol in JSON payload format
- * Packet Data with low running power and cost
- * Live Data and Alarm
- * Programmable data upload interval: 1 min ~ 24 hr
- * Programmable data logging interval: 1 ~ 60 min
- * Programmable High/Low Alarm Level
- * Internal 4MB memory ~ 40000 records

Characteristics

- Supply Voltage: 6 ~ 9VDC
- Storage Temperature: -40 ~ 125 °C
- Operating Temperature: -40 ~ 125 °C
- Standby: 5mA
- Sleep Mode: 5uA
- IP67 Aluminum case
- 150 x 130 x 47mm
- 4 x M16, 1.5 waterproof connector



Power Options

- 1) High-capacity battery, average 5 years
- 2) Solar controller built-in

Data (Europe)

- LTE FDD: 10Mbps (DL)/5Mbps (UL)
B1/ 3/ 5/ 7/ 8/ 20/ 28
- LTE TDD: 10Mbps (DL)/5Mbps (UL)
B38/ 40/ 41
- GSM GPRS: 107Kbps (DL)/85.6Kbps (UL)

Data (America)

- LTE FDD: 10Mbps (DL)/5Mbps (UL)
B1/ 2/ 3/ 4/ 5/ 7/ 8/ 28/ 66
- LTE TDD: 10Mbps (DL)/5Mbps (UL)
B38/ 40/ 41
- GSM GPRS: 107Kbps (DL)/85.6Kbps (UL)

GSX8-LTE contains 4 variants:

1) GSX8-LTE-MB

- 2 analog 4~20mA
 - 16-bit independent A/D converter
 - 250-ohm input impedance
- 1 temperature, ~55 ~ 125 °C, +/-0.5°C
- 1 temperature humidity
 - -55 ~ 125 °C, +/-0.3°C
 - 0~100%RH, +/-5%
- 2 pulse counters, up to 40 pulse/s
- 2 digital alarm, dry contact
- 1 on/off relay, rating: 24VDC/1A, 120VAC/1A
- 3VDC power output
- 12/24VDC power output
- RS485 Modbus port
- Data Registers: 8 x floating, 8 x integer

2) GSX8-LTE-TH

- 1 submersible temperature sensor
or 1 temperature humidity sensor
- 2 pulse counters, up to 40 pulse/s
- 2 digital alarm, dry contact

3) GSX8-LTE-AD

- 2 analog 4~20mA
 - 16-bit independent A/D converter
 - 250-ohm input impedance
- 12/24VDC power output for analog sensor

4) GSX8-LTE-RS

- RS485 Modbus port
- Data Registers: 8 x floating, 8 x integer
- 12/24VDC power output for Modbus sensor

Software bundled

- Setup Software (USB and Bluetooth)
- Data Receiving Centre Software
- Premier Client Lite for Win11, iOS, Android

Premier Server Client Software

- Paid Add-on