



ST-52

4G | IoT Gateway

PRODUCT DESCRIPTION

Faclon ST-52 is a smart Modbus/RTU/IO to GPRS/3G/4G/LTE Gateway, Expand your Data communication over wireless networks by 4G/LTE Gateway with Secure and two-way communication, without in-depth knowledge like AT commands and Protocol Concepts. Our Smart Modbus Gateways Series replaces the wired approach of sending the Modbus slave data to the centralized server, either single or multiple slaves. The device collects the data through MODBUS RS485/RS232 (RTU) protocol and sends it to the centralized server through 4G/LTE using TCP/ Http or MQTT mode. All the Parameter is configurable via PC Utility or FTP or SMS or Server IP Commands, All configurations are done remotely. Not required to have the device during configurations. It's a generic device to fetch the Standard Modbus Slave device like Energy meters, Solar Inverters, PLC, Windmill, AMR, IO Modules, Flow Meters and more. The built-in smart Data logger will logs the Modbus polled data in Priority task – Assure no data Loss. We also provide a Cloud based Graphic interface (based on client requirements) to manage your device machines easily. Users can monitor and control the Slave and I/O data of RTU devices.

CONNECTING SENSORS

-  Energy meter
-  Water meter
-  Contactor
-  PLC/IO Cards/HMI
-  Temperature
-  Level
-  Pressure
-  Vibration

SPECIFICATIONS

| | |
|-----------------------|---|
| Transmitting power | Class 3 (23dBm±2dB) for LTE FDD Class 3 (23dBm±2dB) for LTE TDD Class E2 (27dBm±3dB) for EDGE 900MHz Class E2 (26dBm±3dB) for EDGE 1800MHz Class 4 (33dBm±2dB) for EGSM900 Class 1 (30dBm±2dB) for DCS1800 |
| LTE | LTE FDD: Max 150Mbps (DL) / Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL) / Max 30Mbps (UL) |
| GPRS | Max 107Kbps (DL) / Max 85.6Kbps (UL) |
| SIM Interface | Internal SIM 1.8V & 3V |
| Transmit Protocol | TCP, HTTP, HTTPS, MQTT - SSL |
| OTA | FTP / IP Utility / SMS Config |
| Antenna | External Only |
| RS-485 Port | Multiple Modbus Slave Device Connection |
| RS-485 Modes | Transparent / Modbus Polling Formatted (ASCII / HEX / RawHEX) |
| Input Port | 2 Channel (0 to 24V) Analog / Digital Input |
| Analog Port | 1 Channel 4 to 20 mA |
| LED Indicator | Power, GSM, Modbus Communication Status |
| Connector | Micro Fit-5.0 (12 pins – 2 Power / 2 Modbus / 4 IOs) |
| Dimension | 110mm x 90mm x 40 mm (L x W x H) |
| Weight | 200 grams |
| Operating Voltage | 12V - 24V DC |
| Operating Temperature | -20C to +85C |