



# ST-53

WiFi | IoT Gateway

## PRODUCT DESCRIPTION

Faclon ST-53 is a smart Modbus/RTU/IO to Wifi gateway, Expand your Data communication over wireless networks by Ethernet Gateway with Secure and two-way communication, without in-depth knowledge of Protocol Concepts. Our Smart Modbus Gateways Series replaces the complex approach of sending the Modbus slave data to the centralized server, either single or multiple slaves. The device collects the data through MODBUS (RTU) protocol and sends it to the centralized server through Existing Wifi Network using TCP or Http mode. All the Parameter is configurable via PC Utility or IP Utility 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 redundancy communication paths of Wifi in RTU Gateway, the data would be guaranteed to transfer your centralized server. 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

Band	Single Stream in 2.4 GHz ISM band
Security	IEEE 802.11 WEP, WPA, WPA2 security
Output Power	18.5dBm (802.11b 11Mbps)
Transmit Protocol	Configurable TCP,HTTP
OTA	Firmware Updating via FTP
Antenna	External 3 meter extendable antenna
Electrical Standard	TTL or RS232 or RS485
RS-485 Port	Multiple Modbus Slave Device Connection
RS-485 Modes	Transparent / Modbus Polling Formatted (ASCII / HEX / RawHEX)
Input Port	2 Chanel (0 to 24V) Analog/Digital Input
RS232 Port	PC Utility for Device Configuration
LED Indicator	Power, IP, Modbus Communication Status
Connector	Micro Fit-5.0 (8 pins – 2 Power / 2 Modbus / 2 IOs)
Dimension	100mm x 85mm x 24mm (L x W x H)
Weight	160 grams
Operating Voltage	10V - 24V DC
Operating Temperature	-10C to +55C