

# MODBUS/RTU TO GPRS GATEWAY

## INTRODUCTION

**Modbus/RTU/IO to GPRS gateway**, Expand your Data communication over wireless networks by GPRS Gateway with Secure and two-way communication, without in-depth knowledge of AT command or Protocol Concepts. The device collects the data through MODBUS (RTU) protocol and sends it to the centralized server through GPRS using TCP or Http mode



## SPECIFICATIONS

### GSM Specifications

Frequency	Quadband: 850/900/1800/1900 MHZ Compliant to GSM Phase 2/2+
GPRS	GPRS multi slot class 12 GPRS mobile station class B
Transmitting Power	Class 4 (2W for GSM 850 and GSM 900) Class 1 (1W for DCS 1800 and PCS 1900)
SIM Interface	External SIM 1.8V & 3V

### General Communication

Transfer Protocol	Configurable TCP,HTTP, HTTPS
Http Methods	Configurable GET/POST
Protocol Format	Configurable JSON/Standard Format
Device Configuration	SMS / PC Utility / Server IP Commands
PRS485 Modes	Transparent / Modbus Polling Formatted (ASCII/HEX/RawHEX)
Serial Packet Format	Packet Size / Time interval / Special End Char
OTA	Firmware Updating via GPRS

### Interfaces

AD Input Port	2 Chanel (0 to 24V) Analog/Digital Input
Analog Port	1 Channel 4 to 20 mA
GSM Antenna	External Only
LED Indicator	Power, GSM, Modbus Communication Status
RS485 Port	Multiple Modbus Slave Device Connection
Serial Port	PC Utility for Device Configuration

### General Specifications

Connector	Micro Fit-5.0 (8 pins – 2 Power/2 Modbus/4 IOs)
Dimention	105mm x 85mm x 24mm ( L x W x H )
Weight	160 grams
Operating Voltage	12V - 24V DC
Operating Temperature	Operating: -10C to +55C Storage: -40C to +85C
Supply Current	40mA at 12VDC (GPRS online, No transmission)

### Serial Specifications

Electrical Standard	RS232 or RS485 or RS422
Connector	Micro Fit-5.0 (8 pins – 2 Power/2 Modbus/4 IOs)
Baudrate	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps