



Overview

For acquiring the remote operating parameters and process management, GW00 2A 4G IOT Gateway help machine to access internet via GPRS/4G and establish TCP/IP connection with server. GW002A 4G can be widely used in industrial automatic control, base station / computer room monitoring, environmental monitoring, water conservancy project, power industries, agriculture, etc.

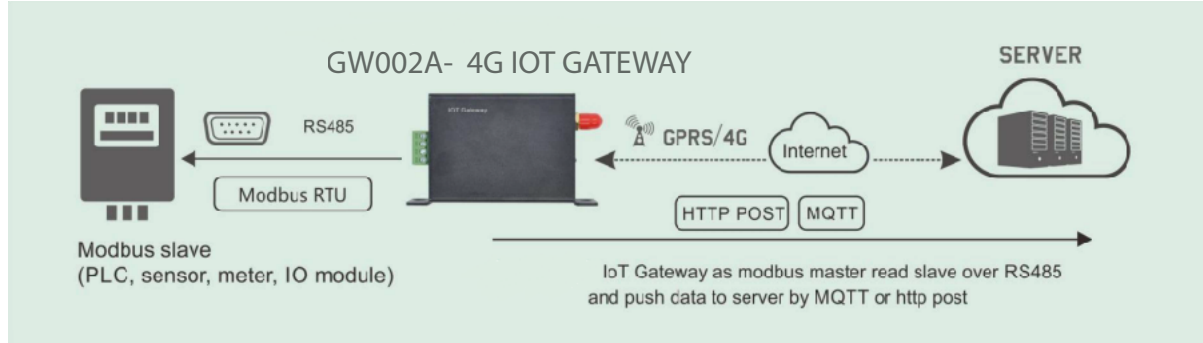


Basic Features

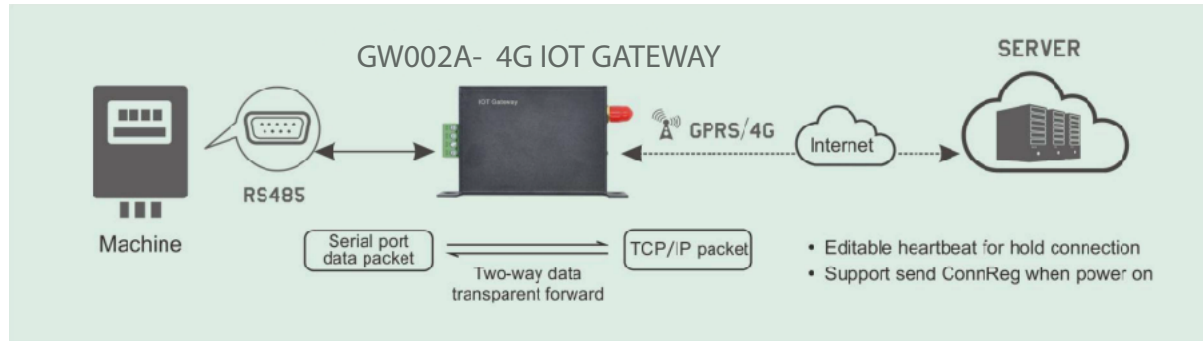
RS485	<ul style="list-style-type: none"> ● 1 RS485 port ● Support Modbus RTU protocol over RS485 ● Can be Modbus master read 32 registers from slaves ● Support transparent forward mode over RS485
4G communication	<ul style="list-style-type: none"> ● RS485 to GPRS/4G two-way data transmission ● Connect server with MQTT protocol (JSON format) or Http post ● Can connect up to 4 servers (support Static IP address or domain)
System	<ul style="list-style-type: none"> ● Adopted highly integrated industrial 32-bit ARM MCU ● Reliable performance with built-in double watchdog, 24×7 operation ● Network-reconnect and retransmission to ensure data accurately transmit ● Update RTC automatically by NTP ● 9-28V DC wide range voltage supply ● Configure by mini-USB port, provide windows configure software

Communication mode

1. Modbus master mode over RS485
4G IoT Gateway as Modbus master read slave over RS485 and push data to server by MQTT or http post

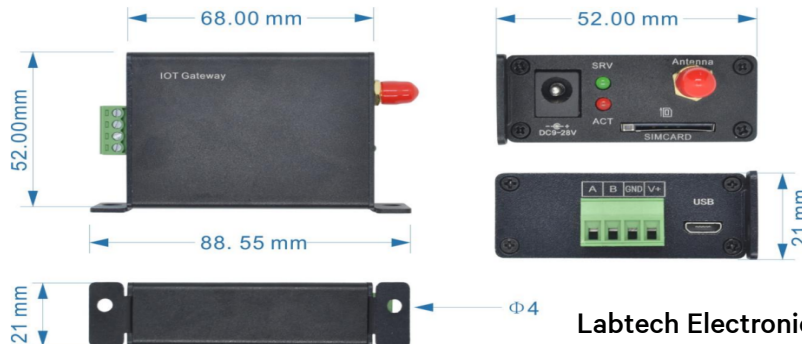


2. Mode A: Two-way data transparent forward between RS485 and server
Not change the communication data format



Specifications

Core	MCU	Cortex M3 32-bit ARM
Power	Power supply	9-28V DC (Standard adapter: DC 12V/1.5A)
	Consumption	12V input Max. 150mA/Average 50mA
Network	Optional Network	GSM/GPRS (4 band 850/900/1800/1900Mhz) FDD LTE(4G)
	Config port	Mini USB
Other interface	SIM/UIM	Standard user card interface
	Antenna	Standard SMA female interface (50Ω)
	Working Environment	temperature
	humidity	5 ~ 95%(non-condensing)
Physical	Terminals	1×4pin 3.81mm spacing, pluggable
	Housing	Providing IP30 protection
	Dimension	21×51×65mm
	Weight	150G



CONNECT+
IoT Solution Enabled

Labtech Electronics Private Limited

1/3, Kundrathur High Road, Periyapanicheri
Chennai-600128, TamilNadu, India
sales@labtech.co.in, www.labtech.co.in
+91 9840909211, 044-48605048

