



### Features

- LTE and GSM connectivity
- RS485 with Modbus support
- MQTT string to server
- Aluminium compact size casing
- DIN rail or panel mounting (option)

AG-201 stands as the basic Modbus RTU gateway for users seeking LTE connectivity for their custom applications. This gateway features both RS485 and LTE/GPRS communication

capabilities, complete with SMS support. AG-201 ensures bidirectional connectivity, enabling Modbus RTU data exchange with the cloud with MQTT.

Description	Parameter
<b>Main CPU</b>	
Processor	500 MHz Cortex-A5
RAM	128 MB
Storage	64 MB
<b>Serial Interface</b>	
Interface type	RS485
Signals	A and B
Baud-rate	2400kbps to 1843200kbps
Connector	Pluggable screw type
Protection	IEC 61000-4-2 level 4: - 15 kV (air discharge) - 8 kV (contact discharge)
<b>LTE/GSM Interface</b>	
Band LTE FTD	B1/B3/B5/B8
Band LTE TDD	B34/B38/B39/B40/B41
Band GSM	900/1800MHz
GPRS slot	Multi-slot class 12/10
Link	GPRS class 12: max. 85.6 kbps (downlink/uplink)
Power	Compliant to GSM phase 2/2+

Description	Parameter
	- Class 4 (2 W 900MHz) - Class 1 (1 W 1800MHz)
SIM card	1x MicroSIM, push-pull type holder 3V/1.8V
Antenna connector	SMA female
<b>Data to Server Protocol</b>	
Protocol type	MQTT
Encryption support	SSL (TLS1.2)
<b>Indicators</b>	
Indicators	ACT - activity NET status Power
<b>Configuration</b>	
Configuration method	UART
<b>Power Supply</b>	
Connector	Pluggable screw socket
Power Voltage range	8-36V DC
Power consumption	3W average
Protection	Reverse polarity

Description	Parameter
	Over voltage
Physical Characteristics	
Installation	DIN-Rail (optional)
Housing	Aluminium
Weight	175g

Description	Parameter
Dimensions	88mm x 35mm x 65mm (W x H x D)
Environmental Specification	
Operating temp.	-25 ~ 75°C (-13 ~ 167°F)
Storage temp.	-40 ~ 85°C (-40 ~ 185°F)
Ambient RH	5% to 95% (non-condensing)

### Selected model list

Models	Hardware Options		
	GPRS	LTE	GNSS
AG-201	√	√	
AG-201-GP	√	√	√

For more details  
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