



Features

- LTE and GSM connectivity
- RS485 with Modbus RTU support
- Server communication via MQTT
- Aluminium compact size casing
- Windows PC software for configuration
- Wide power supply range up to 36V
- DIN rail mounting

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
Main CPU	
Processor	500 MHz Cortex-A5, Dual core
RAM	16MB
Serial Interface	
Interface type	RS485
Signals	A and B
Baud-rate	2400kbps to 921600
Connector	Pluggable screw type
Protection	IEC 61000-4-2 level 4: - 15 kV (air discharge) - 8 kV (contact discharge)
LTE/GSM Interface	
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+ - Class 4 (2 W 900MHz) - Class 1 (1 W 1800MHz)

Description	Parameter
SIM card	1x MicroSIM, push-pull type holder 3V/1.8V
Antenna connector	SMA female
Data to Server Protocol	
Protocol type	MQTT
Encryption support	SSL (TLS1.2)??
Indicators	
Indicators	ACT - activity NET status Power
Configuration	
Configuration method	Windows PC application by UART
Power Supply	
Connector	Pluggable screw socket
Power Voltage range	8-36V DC
Power consumption	3W average ?
Protection	Reverse polarity Over voltage

Description	Parameter
Physical Characteristics	
Installation	DIN-Rail
Housing	Aluminium
Weight	175g (without DIN rail clamp)?
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			
	AG-201	GPRS	LTE	GNSS
AG-201	√	√		
AG-201-GP	√	√		√

For more details
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