TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

Modbus LTE Gateway	AG-201

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 scan or click on QR code

Disclaimer

- All dimensions mentioned in the drawings are not to scale and may vary/differ due to construction contingencies and site conditions which are subject to change as may be decided by the company.
- The specifications and amenities mentioned in this document and promotional documents are only representational and informative. The descriptions in this specification are based on the default configuration of your device.
- Images used in this specification may differ in appearance from the actual product.

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