

TECHNICAL SPECIFICATION

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.

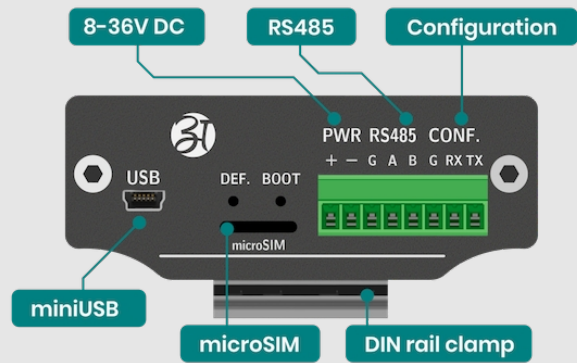
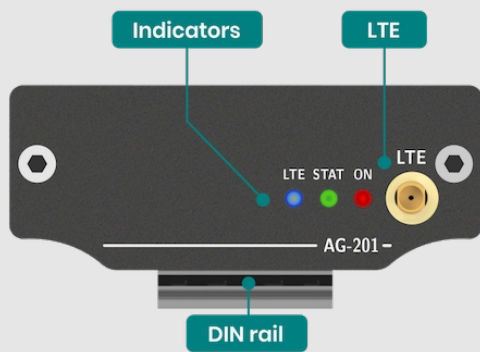
Description	Parameter
Processor	
Type	Cortex-A5
Clock	500MHz
RAM memory	
Memory size	16MB
Serial interface	
Port number	1
Interface type	RS485
Data Rate	2400kbps to 921600
Signals	A and B
Connector	Pluggable screw type
Protection	IEC 61000-4-2 level 4: – 15 kV (air discharge) – 8 kV (contact discharge)

Description	Parameter
Cellular modem	
Band	Please refer table of cellular network on page 3 and 4.
SIM card	1x MicroSIM, push-pull type holder 3V/1.8V
Antenna connector	SMA female
System functions indicators	
Indicators	ACT – activity NET status Power
Configuration	
Configuration method	Windows PC application by UART

Description	Parameter
Power supply	
Power supply	8-36V
Power consumption	3W average (24V)
Connector	Pluggable screw (+, -, earthing)
Protection	Reverse polarity, over voltage
Physical characteristics	
Installation	DIN-Rail, clamp
Housing	Aluminium
Weight	175g (without DIN rail clamp)
Dimensions	88mm x 64mm x 35mm

Description	Parameter
Environmental specification	
Operating temp.	-25 ~ 75°C (-13 ~ 167°F)
Storage temp.	-40 ~ 85°C (-40 ~ 185°F)
Ambient RH	5% ~ 95% (non-condensing)

Gateway



Cellular modem specification of IN (India) version

Bands		Cellular network modem details	
Band LTE FTD	B1/ 3/ 5/ 8		
Band LTE TDD	B34/ 38/ 39/ 40/ 41		
Band GSM	B3/ 8 (900/1800MHz)		
GPRS slot	Multi-slot class 12/10		
Bandwidth	1.4/ 3/ 5/ 10/ 15/ 20 MHz		
Output power	LTE-FDD	Class 3 (23 dBm ±2 dB)	
	LTE-TDD	Class 3 (23 dBm ±2 dB)	
	EGSM900	Class 4 (33 dBm ±2 dB)	
	DCS1800	Class 1 (30 dBm ±2 dB)	
Maximum data rate	LTE-FDD	10 Mbps (DL)/ 5 Mbps (UL)	
	LTE-TDD	8.96 Mbps (DL)/ 3.1 Mbps (UL)	
	GPRS	85.6 Kbps (DL)/85.6 Kbps (UL)	

Standard model list

These are models in regular production. Other models are only made on order with a minimum order quantity. Please [contact us](#) if you require a custom order.

Model	Hardware Options				Supply Voltage	More information
	Cellular Network			GNSS		
AG-201	GPRS	3G	LTE	GNSS	Supply Voltage	More information
AG-221					8-36V	
AG-221-GP	✓		✓	✓	8-36V	

Standard package list

- 1 AG-201 Gateway
- 2 Cellular antenna
- 3 DIN rail clamp with screws
- 4 Female 8 pin main connector without cable

Please note: The set does not include a power supply.

**For more details
scan or click on
QR code**



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