



Features

- GSM connectivity
- Opto-isolated digital inputs
- Analogue inputs
- 0-10V outputs
- Open collector outputs
- Inbuilt web-server
- Wide power supply range
- DIN rail mounting option
- Support PoE

The AG-812 is industrial gateway supporting dual way data transfer to cloud servers. It has 4 digital inputs, 3 open collector digital outputs analogue inputs and analogue outputs for control any compatible external device. The application of this gateway is interface between variety types

of analogue sensors to server/cloud. Compact design and inbuilt web-server make it very easy to install and service.

AG-812 is made with high grade aluminium body and very compact size. Optional DIN rail clamp make installation in panel boxes more convenient.

Description	Parameter
Digital Inputs	
Input Number	4
Input type	Opto-isolated Opto-isolated 2.5kV
Configuration	common IN-GND
Max V_{in}	28V DC
Logic 1 Voltage Range	3V to max V_{in}
Connector	Screw socket connector
Analogue Inputs	
Input Number	4
Type	Not isolated
Max V_{in}	28V DC
Voltage range	0-10V
ADC resolution	12-bit
Connector	Screw socket connector
Digital Outputs	
Output Number	3
Type	Open collector not isolated

Description	Parameter
V_{max}	26V
A_{max}	300mA continues
Connector	Screw socket connector
Analogue Out	
Output Number	2
Output type	Analogue 0-10V DC
Connector	Screw socket connector
GSM Interface	
Band	Quad-band 850/900/1800/1900MHz GSM
Slot	GPRS 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 @ 850/900MHz) - Class 1 (1 W @ 1800/1900MHz)
SIM	External SIM 3V/1.8V. Support 3G and 4G SIM but data package has

Description	Parameter
	to be enable GSM/GPRS.
Data to Server Protocol	
Protocol type	JSON/ MQTT
Authorisation	By authorisation key
Communication type	From AG-812 to server and from server to AG-812 (both way)
Software	
OS support	Any latest internet browser
System Functions	
	Input indicators
	PWR - power indicator
	ACT - activity
Power supply	

Description	Parameter
Power	10-36V DC
Power consumption	Up to 6W
Physical Characteristics	
Installation	Clamp, DIN-Rail Mounting (optional)
Housing	Aluminium
Weight	0.5kg
Dimensions	88mm x 92mm x 28mm
Environmental Specification	
Operating Temp.	-25 ~ 70°C (-13 ~ 158°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 176°F)
Ambient RH	5% to 95% (non-condensing)



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