TECHNICAL SPECIFICATION



Atreyo Data Interface ADI-604

4-20mA interface x4 to LoRa



Features

- LoRa RF connectivity
- 4 opto-isolated 4-20mA inputs
- Separate isolated 24V power for sensors
- · Inbuilt web-server
- Wide power supply range
- DIN rail mounting option
- Support PoE

The ADI-604 is industrial interface supporting data transfer form four 4-20mA analogue system to LoRa gateway. It has 4 opto-isolated inputs and 24V isolated powers supply for powering sensors. Compact design and inbuilt web-server for configuration make it convenient in installation and service.

ADI-604 supporting work in open radio frequency 866Mhz. Support RF power up to 20dB.

ADI-604 is made with high grade aluminium body. Optional DIN rail clamp make installation in panel boxes more convenient.

Description	Parameter	
4-20mA inputs		
Input Number	4	
Input type	Opto-isolated 4-20mA	
Configuration	Common galvanic input with multiplexer system	
Max V _{in}	28V DC	
Accuracy	0.1% full scale	
Linearity	0.1% full scale	
AD conversion	16-bit ΔΣ ADC	
Isolation	1kV	
ESD protection	IEC/EN61000-4-2 Contact ±4kV with performance perf. Criteria B	

Description	Parameter	
Connector	Screw socket connector	
Isolated power supply for sensors		
Supply number	1	
Voltage	24V	
Max load	1W	
Isolation	1kV	
LoRa Interface		
Band	866-868Mhz	
Channels	40	
Bandwitch	7.8khz, 10.4kHz, 15.6kHz, 20.8kHz, 31.2kHz, 41.7kHz, 62.5kHz, 125kHz, 250kHz, 500kHz	

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Description	Parameter	
Power	11dBm, 14dBm, 17dBm, 20dBm	
Factor	6, 7, 8, 9, 10, 11, 12	
Software		
OS support	Any latest internet browser	
System Functions		
Indicators	4 input signal indicators	
	PWR - power indicator	
	ACT - activity	
Power supply		
Power	10-36V DC	

Description	Parameter	
Power consumption	Up to 4W	
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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