



EG220 Edge Gateway

Edge Gateway for MQTT protocol

Product features:

- RJ45 interface: MQTT protocol
- 4 AI, 16 DI, 4 DO
- 4 USB interfaces
- Expandable for various extension modules
- Visualize and configure via sens2cloud web application

Technical Specification:		
Connection:	Connection type:	Screw terminals, 1,5 mm ² / AWG 16
Power Supply:	Input voltage:	24V DC (18 ... 30 VDC)
	Protection circuit:	Reverse polarity protection
	Consumption:	approx. 230 mA (unloaded)
	Ripple:	<= 10 %
	Fuse protection:	extern: T 0,5 A
Network interface:	Connection:	Ethernet Port RJ45
	Communication:	MQTT protocol
Analog inputs:	Number of inputs:	4
	Configuration:	Current or voltage operation (each channel is separate adjustable)
	Voltage input:	-10 V ... +10 V (Ri ≈ 50kOhm, Resolution: 16 Bit (+/- 15 Bit))
	Current input:	0 ... 20 mA / 4 ... 20 mA (Ri ≈ 400 Ohm, Resolution: 15 Bit)
Reference output:	Output voltage:	10 V DC
	Accuracy:	± 0,1 %
	Load:	max. 10 mA
Auxillary output:	Output voltage:	24 V DC (approx. 1V lower than power supply)
	Output current:	max. 150 mA
Digital inputs:	Number of inputs:	16
	Format:	HTL, PNP (Low: 0 ... 3 V, High: 9 ... 30 V)
	Frequency:	max. 1kHz
	Reaction time:	approx. 1 ms
	Load:	max. 2 mA at 24 V DC
Digital outputs:	Number of outputs:	4
	Format / level:	PNP, 5 ... 30 V (depends on the COM+ voltage)
	Output current:	max. 60 mA (per channel)
Display	LED	Green LED (ready for operation)
Housing:	Material:	plastic
	Mounting:	mounting rail (EN 60715, 35 mm C-Profile)
	Dimensions (w x h x d):	34 x 100 x 131 mm / 1.34 x 3.94 x 5.16 inches (w x h x d) (without connectors) 34 x 118 x 140 mm / 1.34 x 4.65 x 5.51 inches (w x h x d) (inclusive connectors))
	Weight:	approx. 160 g
	Protection class:	IP20
Ambient temperature:	Operation:	-20 °C ... +60 °C not condensing
	Storage:	-25 °C ... +70 °C
Environmental conditions:	Altitude:	max. 2000 meter above sea level
	Humidity:	max. 80 % relative humidity to 30 °C
	Degree of pollution:	2
Failure rate:	MTBF in years: (continuous operation at 60 °C)	T.B.D
Conformity and standards:	EMV 2014/30/EU:	EN 61326-1: 2013 for industrial location EN 55011: 2016 + A1: 2017 + A11: 2020 Class A
	RoHS (II) 2011/65/EU	
	RoHS (III) 2015/863:	EN IEC 63000: 2018