



EG220 Smart Edge Gateway IoT Gateway for the MQTT protocol

Product Features:

- RJ45 interface: MQTT protocol
- 4x analog inputs, 16x digital HTL PNP inputs, 4x digital high-side driver outputs
- 4x USB interfaces
- Extendable with various extension modules
- Visualization and configuration via the sens2cloud web application

Technical Specifications:		
Connections:	Connector type:	Screw terminal, 1,5 mm ² / AWG 16
Power supply:	Input voltage:	24 V DC (18 ... 30 VDC)
	Protection circuit:	reverse polarity protection
	Power consumption:	approx. 160 mA (unloaded)
	Residual ripple:	<= 10 %
	Fuse protection:	extern: T 0,5A
Network interface:	Connection:	Ethernet Port RJ45
	Communication:	MQTT protocol
Analog inputs:	Number of inputs:	4
	Configuration:	current or voltage input (selectable)
	Voltage input:	-10 V ... +10 V
		Ri ≈ 50 kΩ, 16 Bit (+/- 15 Bit) resolution
	Current input:	0 ... 20 mA / 4 ... 20 mA
		Ri ≈ 400 Ω, 15 Bit resolution
Reference output:	Output voltage:	10 V DC
	Accuracy:	± 0,1 %
	Load:	max. 10 mA
Auxiliary output:	Output voltage:	24 V DC (approximately 2 V lower than the supply voltage)
	Output current:	max. 100 mA
Digital inputs:	Number of inputs:	16
	Format:	HTL, PNP (Low: 0 ... 3V, High: 9 ... 30 V)
	Frequency:	max. 1 kHz
	Load:	max. 2 mA at 24 V DC
Digital outputs:	Number of outputs:	4
	Format / level:	PNP, 5 ... 30 V (depending on the voltage applied to "COM+")
	Output current:	max. 60 mA
Indicators:	LED	RGB LED (different operating states)
Housing:	Material:	plastic
	Mounting:	35 mm / 1,38 inch top hat rail (according to EN 60715)
	Dimensions (w x h x d):	34 x 100 x 131 mm (without connections) 1,34 x 3,94 x 5,16 inch (without connections) 34 x 118 x 140 mm (with connections) 1,34 x 4,65 x 5,51 inch (with connections)
	Weight:	approx. 160 g
	Protection:	IP20
Ambient temperature:	Operation:	-20 °C ... +60 °C resp. -4 °F ... 140 °F (not condensing)
	Storage:	-25 °C ... +70°C resp. -13 °F ... 158 °F
Ambient conditions:	Altitude:	max. 2000 m ü NN
	Humidity:	max. 80 % relative humidity to 30 °C resp. 86 °F
	Degree of pollution:	2
Failure rate:	MTBF in years:	17,6 a
	(continuous operation at 60°C / 140 °F)	
Conformity and standards:	EMC 2014/30/EU:	EN 61326-1: 2021 for industrial location EN 55011: 2016 + A1: 2017 + A11: 2020 + A2: 2021 Class A
	RoHS (II) 2011/65/EU	
	RoHS (III) 2015/863:	EN IEC 63000: 2018