



eManager Pro 4G ActIO 22172 Energy, ARM controller

Code: D303200026700

> Memory: 512 MB | 8 GB eMMC

> Analogue Inputs: 7

> Módules: 9

> Communications: RS232/485 | Ethernet | Wi-Fi | 4G EMEA

> N° relays: 3 (6 A)

> Digital inputs: 2

> Power supply: 85 ... 264 V~

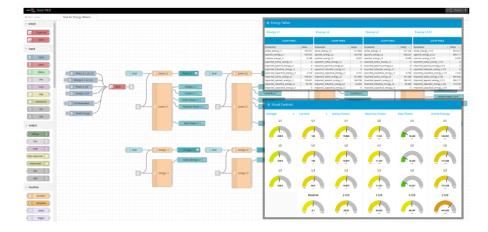
> CPU: ARM Cortex A7 800 MHz

Description

eManager Energy is an industrial IoT controllers product range with integrated three-phase energy metering. eManager Energy centralizes power network analyzer features with datalogging and communications.

The energy module is able to mesure up to one three-phase circuit or three single-phase circuits. It integrates 4 quadrant monitoring, including the main electrical parameters for single-phase and three-phase. Measurement accuracy is Class 1 Active and Class 2 Reactive; and the secondary current is 1 A.

In addition, a custom Node-RED node is available to facilitate the data collecting and displaying with a local real-time dashboard that can be accessed via their own Wi-Fi network.







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Specifications

AC power supply	
Consumption	8,8 10,5 VA
Frequency	47 63 Hz
Nominal voltage	85 264 V~
DC power supply	
Consumption	6,4 6,5 W
Nominal voltage	120 300 Vdc
Electrical characteristics	
Isolation level	3 kVac
Sensor	PT100 & PT1000
Mechanical characteristics	
Size (mm) width x height x depth	158 x 89 x 48 (mm)
Envelope	Polycarbonate UL94 - Self-extinguishing V2
Fastening	DIN rail 46277 (EN 50022)
Weight (kg)	1
Environmental characteristics	
Protection class	IP 20
Relative humidity (without condensation)	595 %
Working temperature	-20+50 °C
Current measurement circuit	
Installation category	CAT III 300 V
Nominal current (In)	/ 1A
Phase current measuring range	2120% de ln
Voltage measurement circuit	
Installation category	CAT III 300 V
Voltage measuring range	5 120 % Un
Nominal voltage	285V Ph-N, 480V Ph-Ph
Communication Network	
Technology / Type	Ethernet 10/100 Mbps
Control Unit	
Clock	RTC
CPU	ARM Cortex A7 800 MHz







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PSRAM Memory	512 MB
SPI Flash Memory	8 GB eMMC
Standards	
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Electrical safety, Contamination level/class	Double-insulated electric shock protection class II (IEC 61010)
Standards	UNE EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4
Electrical safety	
Insulation	3 kVac
Analogue inputs	
Quantity	7
Nominal range	010 V / 020 mA o 420 mA
Nominal input range	010 V / 020 mA or 420 mA
Digital inputs	
Quantity	2
Туре	024 Vdc
Digital relay outputs	
Quantity	2
Туре	NO
Maximum current	6 A
Maximum open contact voltage	250 Vac
Measurement accuracy	
Reactive energy measurement (kvarh)	Class 2
Active energy measurement (kWh)	Class 1
Radio communication	
Band	LTE-FDD B1/B3/B7/B8/B20/B28A, WCDMA B1/B8 & GSM/EDGE B3/B8
Technology / Type	4G EMEA
Serial communication	
Technology / Type	RS-232 (full-duplex) / RS-485 (half-duplex)Galvanic isolation
Wireless communication	
Band	802.11 b/g/n (2.4 GHz.)
Technology / Type	Wi-Fi







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eManager ActIO Energy

IoT programmable controllers with integrated energy metering and inputs and outputs

CODE	TYPE	CPU	Memory	Analogue Inputs	Digital inputs	N° relays	Communications	Power supply		
eManager ActiO Energy										
D303200026700	eManager Pro 4G ActlO 22172 Energy	ARM Cortex A7 800 MHz	512 MB 8 GB eMMC	7	2	3 (6 A)	RS232/485 Ethernet Wi-Fi 4G EMEA	85 264 V~		

