eManager 2 Pro 4G ActIO 3212 Energy SC

eManager 2 Pro 4G ActIO 3212 Energy SC, ARM controller

Code: D3075000CEF00

> Memory: 4 GB | 16 GB eMMC
> Analogue Inputs: 2
> Módules: 7
> Communications: RS232/485 | CAN BUS | Ethernet | Wi-Fi | 4G
> N° relays: 2 (5A)
> Digital inputs: 3
> System: 1 xThree-phase / 3 xSingle-phase
> Power supply: 85 ... 264 V~
> CPU: ARM Cortex A53 Pro
> Temperature probe input: 1

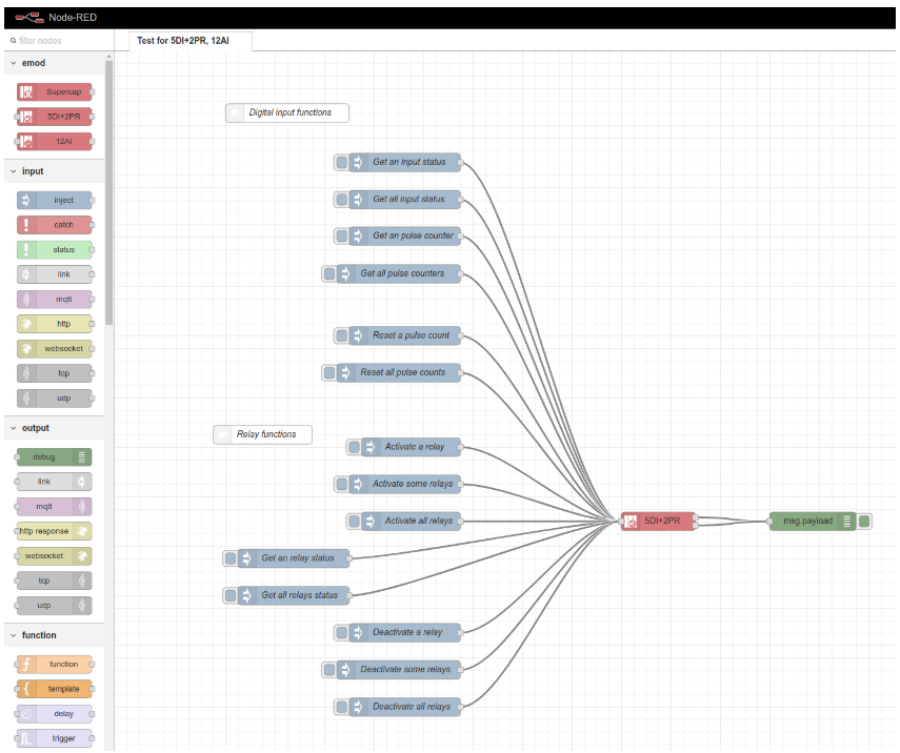
Description

eManager 2 is a high-performance industrial OEM device designed with an embedded system based on Linux Yocto. Its flexible architecture makes it an ideal solution for automation, industrial IoT, and remote control applications.

The device integrates RS-232 and RS-485 serial communications, CAN FD bus, an Ethernet network interface, and Wi-Fi connectivity. It incorporates a TPM 2.0 security chip, which reinforces data protection and system integrity.

eManager 2 also includes a software suite that facilitates both device configuration and application development. This suite incorporates tools such as Node-RED, ChirpStack, and the TICK and MING stacks.

The device has access to an online package repository, which allows for the easy installation of additional components such as databases, VPN servers, and Docker containers, among others.researcher



eManager 2 Pro 4G ActIO 3212 Energy SC

2nd generation programmable IoT controllers with integrated energy metering and inputs and outputs

Code: D3075000CEF00

Specifications

AC power supply

Frequency	47 ... 63 Hz
Nominal voltage	85 ... 264 V~

DC power supply

Nominal voltage	120 ... 300 Vdc

Mechanical characteristics

Size (mm) width x height x depth	154 x 108.7 x 78.4 (mm)
Envelope	Polycarbonate UL94 - Self-extinguishing V11
Fastening	DIN rail
Weight (kg)	0,66

Environmental characteristics

Protection class	IP 30
Relative humidity (without condensation)	5...95 %

Current measurement circuit

Installation category	CAT III 300 V
Nominal current (In)	... /250mA, .../1A o .../5A
Phase current measuring range	2...120% de In

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 / Interface	Ethernet 10/100/1000 Mbps

Electrical characteristics

Sensor	PT100 & PT1000

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V

Electrical safety

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eManager 2 Pro 4G ActIO 3212 Energy SC

2nd generation programmable IoT controllers with integrated energy metering and inputs and outputs

Code: D3075000CEF00

Insulation	3 kVac

Analogue inputs

Quantity	2
Nominal range	0...10 V / 0...20 mA o 4...20 mA
Nominal input range	0...10 V / 0...20 mA or 4...20 mA

Digital inputs

Quantity	3
Type	0...24 Vdc

Digital relay outputs

Quantity	2
Type	NO
Maximum current	5 A

Radio communication

Band	LTE-FDD B1/B3/B5/B7/B8/B20/B28, WCDMA B1/B5/B8, EGSM 900 & DCS 1800
Technology / Type	4G

Serial communication

Technology / Type	RS-232 (full-duplex) / RS-485 (half-duplex) / CAN-FD (semi-duplex) Galvanic isolation

Wireless communication

Band	802.11 a/b/g/n/ac (2.4 - 5 GHz.)
Technology / Interface	Wi-Fi

eManager 2 ActIO Energy

2nd generation programmable IoT controllers with inputs, outputs and integrated energy metering

CODE	TYPE	Power supply	CPU	Communications	Memory	Digital inputs	N° relays	Analogue Inputs	Temperature probe input	Módules
eManager 2 ActIO Energy										
D3075000CEF00	eManager 2 Pro 4G ActIO 3212 Energy SC	85 ... 264 V~	ARM Cortex A53 Pro	RS232/485 | CAN BUS | Ethernet | Wi-Fi | 4G	4 GB | 16 GB eMMC	3	2 (5A)	2	1	7

eManager 2 Pro 4G ActIO 3212 Energy SC

2nd generation programmable IoT controllers with integrated energy metering and inputs and outputs

Code: D3075000CEF00

Dimensions

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