eManager 2 4G ActIO 3212

eManager 2 4G ActIO 3212, ARM controller

Code: D2055000E0000

> Memory: 1 GB | 8 GB eMMC
> Analogue Inputs: 2
> Módules: 5
> Communications: RS232/485 | CAN BUS | Ethernet | Wi-Fi | 4G
> N° relays: 2 (5A)
> Digital inputs: 3
> Power supply: 85 ... 264 V~
> CPU: ARM Cortex A53 Basic
> Temperature probe input: 1

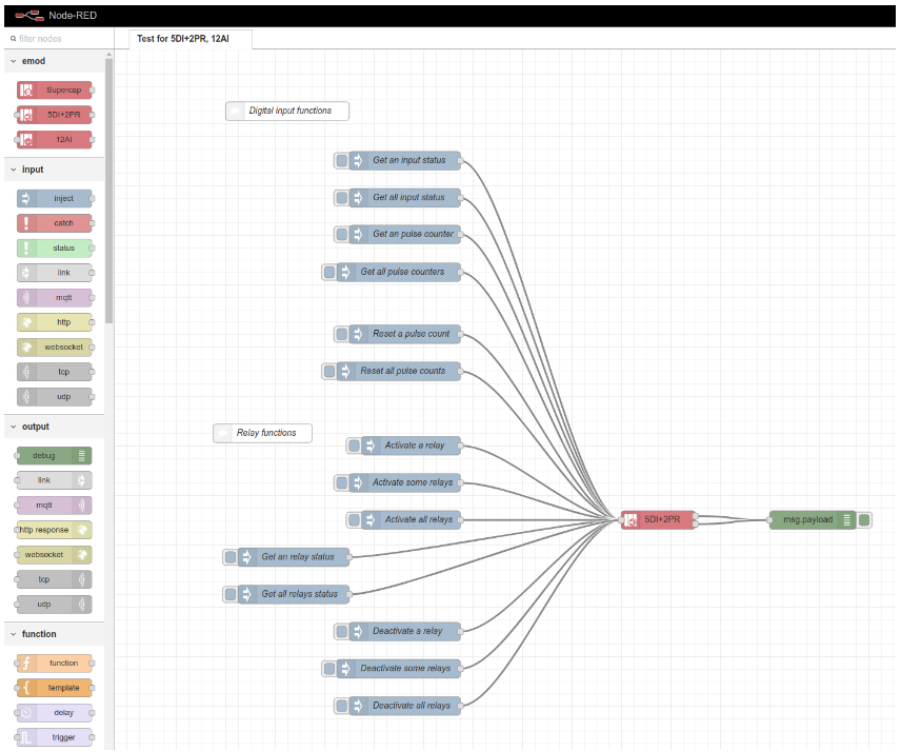
Description

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



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eManager 2 4G ActIO 3212

2nd generation IoT programmable controllers with digital, analog inputs and relays

Code: D2055000E0000

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	110 x 108.7 x 78.4 (mm)
Envelope	Polycarbonate UL94 - Self-extinguishing V6
Fastening	DIN rail
Weight (kg)	0,38

Environmental characteristics

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

Voltage measurement circuit

Installation category	CAT III 300 V

Communication Network

Technology / Interface	Ethernet 10/100/1000 Mbps

Control Unit

Clock	RTC
CPU	ARM Cortex A53 1.6 GHz
PSRAM Memory	1 GB
SPI Flash Memory	8 GB eMMC

Electrical characteristics

Sensor	PT100 & PT1000

Standards

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

Electrical safety

Insulation	3 kVac

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2nd generation IoT programmable controllers with digital, analog inputs and relays

Code: D2055000E0000

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 / Type	Wi-Fi

eManager 2 ActIO

2nd generation IoT programmable controllers with digital, analog inputs and relays

CODE	TYPE	Power supply	CPU	Communications	Memory	Digital inputs	N° relays	Analogue Inputs	Temperature probe input	Módules
eManager 2 ActIO										
D2055000E0000	eManager 2 4G ActIO 3212	85 ... 264 V~	ARM Cortex A53 Basic	RS232/485 | CAN BUS | Ethernet | Wi-Fi | 4G	1 GB | 8 GB eMMC	3	2 (5A)	2	1	5

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Dimensions

