



## eManager GPRS

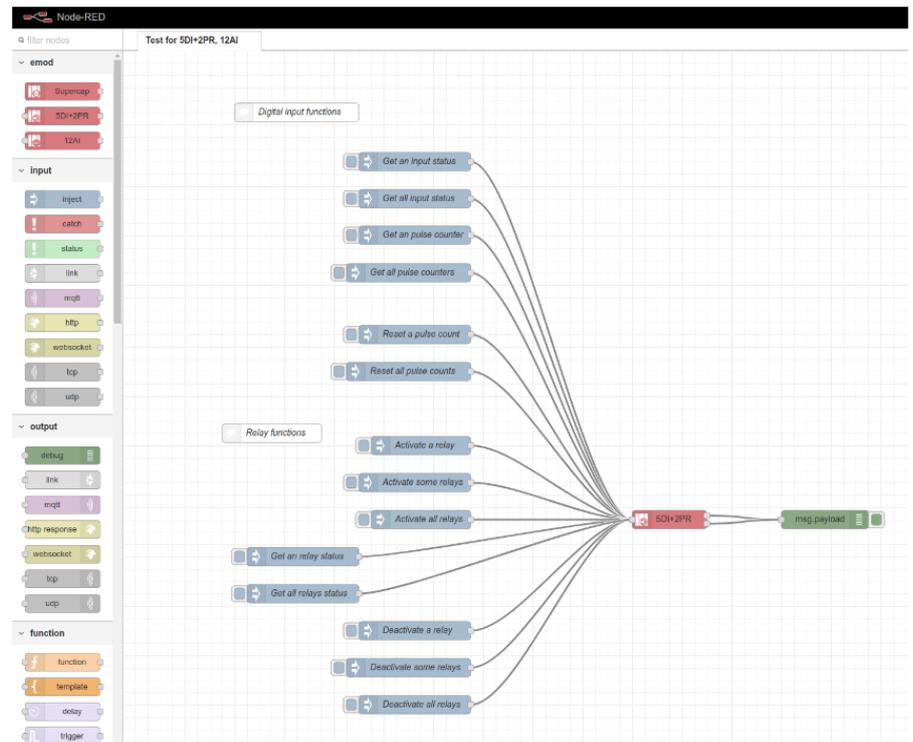
eManager GPRS, ARM controller

Code: D20010.

- > Memory: 256 MB | 512 MB NAND
- > Módulos: 5
- > Communications: RS232/485 | Ethernet | Wi-Fi | GPRS
- > Power supply: 85 ... 264 V~
- > CPU: ARM Cortex A7 700 MHz

### Description

**eManager Essentials** is an industrial IoT controller equipped with a high-performance control unit with an embedded Linux Yocto system and fully integrated Node-RED software. It includes RS-232/485, Ethernet and Wi-Fi communications. Two versions are available, **eManager** and **eManager Pro**, expandable with a wide range of expansion modules.





## eManager GPRS

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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
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#### Mechanical characteristics

Size (mm) width x height x depth	88 x 89 x 48 (mm)
Envelope	Polycarbonate UL94 - Self-extinguishing V2
Fastening	DIN rail 46277 (EN 50022)
Weight (kg)	0,208

#### Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5...95 %
Working temperature	-20...+50 °C

#### Communication Network

Technology / Interface	Ethernet 10/100 Mbps
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#### Control Unit

Clock	RTC
CPU	ARM Cortex A7 700 MHz
PSRAM Memory	257 MB
SPI Flash Memory	512 MB NAND

#### 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
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## eManager GPRS

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### Radio communication -Antenna

External

### Radio communication

Band	850 / 900 / 1800 / 1900 MHz
Technology / Type	GPRS

### Serial communication

Technology / Type	RS-232 (full-duplex) / RS-485 (half-duplex)Galvanic isolation
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### Wireless communication

Band	802.11 b/g/n (2.4 GHz.)
Technology / Type	Wi-Fi

### eManager Essential

IoT programmable controllers

CODE	TYPE	CPU	Memory	Communications	Power supply
<b>eManager Essential</b>					
D20000.	eManager	ARM Cortex A7 700 MHz	256 MB   512 MB NAND	RS232/485   Ethernet   Wi-Fi	85 ... 264 V~
D20010.	eManager GPRS	ARM Cortex A7 700 MHz	256 MB   512 MB NAND	RS232/485   Ethernet   Wi-Fi   GPRS	85 ... 264 V~
D20011.	eManager GPRS DC	ARM Cortex A7 700 MHz	256 MB   512 MB NAND	RS232/485   Ethernet   Wi-Fi   GPRS	9...36 Vdc
D30000.	eManager Pro	ARM Cortex A7 800 MHz	512 MB   8 GB eMMC	RS232/485   Ethernet   Wi-Fi	85 ... 264 V~
D30001.	eManager Pro (DC)	ARM Cortex A7 800 MHz	512 MB   8 GB eMMC	RS232/485   Ethernet   Wi-Fi	9...36 Vdc
D30010.	eManager Pro GPRS	ARM Cortex A7 800 MHz	512 MB   8 GB eMMC	RS232/485   Ethernet   Wi-Fi   GPRS	85 ... 264 V~
D30020.	eManager Pro 4G	ARM Cortex A7 800 MHz	512 MB   8 GB eMMC	RS232/485   Ethernet   Wi-Fi   4G EMEA	85 ... 264 V~
D30030.	eManager Pro 4G (LATAM/AUX)	ARM Cortex A7 800 MHz	512 MB   8 GB eMMC	RS232/485   Ethernet   Wi-Fi   4G LATAM,AUS,NZ	85 ... 264 V~