



eManager Pro 4G

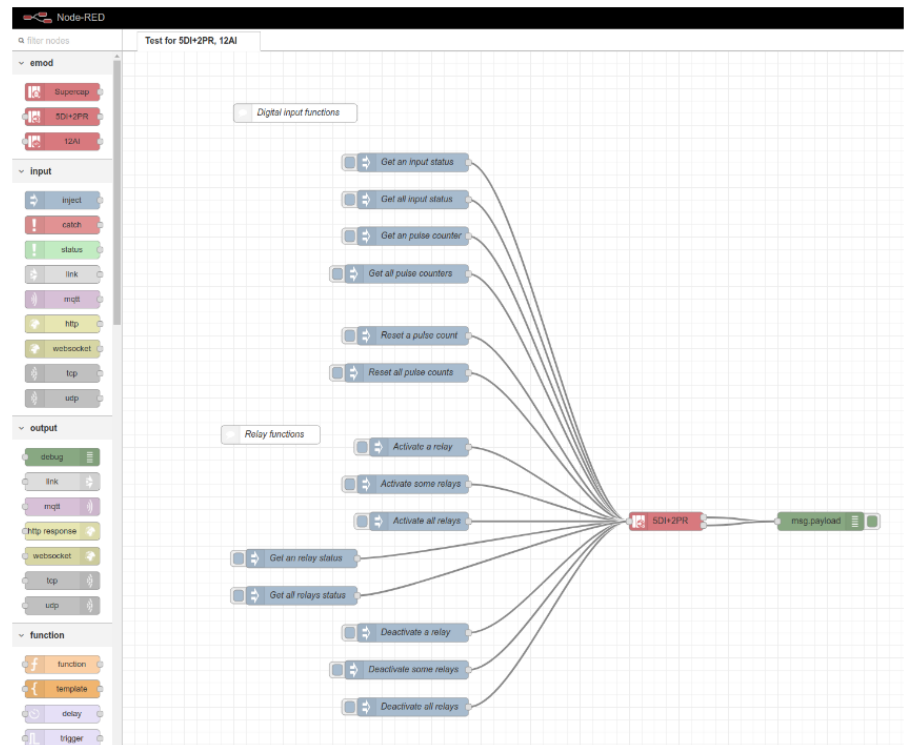
eManager Pro 4G, ARM controller

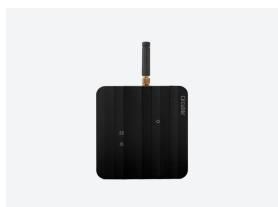
Code: D30020.

- > Memory: 512 MB | 8 GB eMMC
- > Módulos: 5
- > Communications: RS232/485 | Ethernet | Wi-Fi | 4G EMEA
- > Power supply: 85 ... 264 V~
- > CPU: ARM Cortex A7 800 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 Pro 4G

Code: D30020.

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 |
|-----------------|--------|

Mechanical characteristics

| | |
|----------------------------------|---|
| Size (mm) width x height x depth | 88 x 89 x 48 (mm) |
| Envelope | Polycarbonate UL94 - Self-extinguishing V10 |
| Fastening | DIN rail 46277 (EN 50022) |
| Weight (kg) | 0,21 |

Environmental characteristics

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

Communication Network

| | |
|-------------------|----------------------|
| Technology / Type | Ethernet 10/100 Mbps |
|-------------------|----------------------|

Control Unit

| | |
|------------------|-----------------------|
| Clock | RTC |
| CPU | ARM Cortex A7 800 MHz |
| 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 |
|------------|--------|



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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 |

eManager Essential

IoT programmable controllers

| CODE | TYPE | CPU | Memory | Communications | Power supply |
|---------------------------|-----------------------------|-----------------------|----------------------|--|---------------|
| eManager Essential | | | | | |
| 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~ |
| D3002000C0000 | eManager Pro 4G SC | 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~ |