



## eManager Pro 4G (LATAM/AUX)

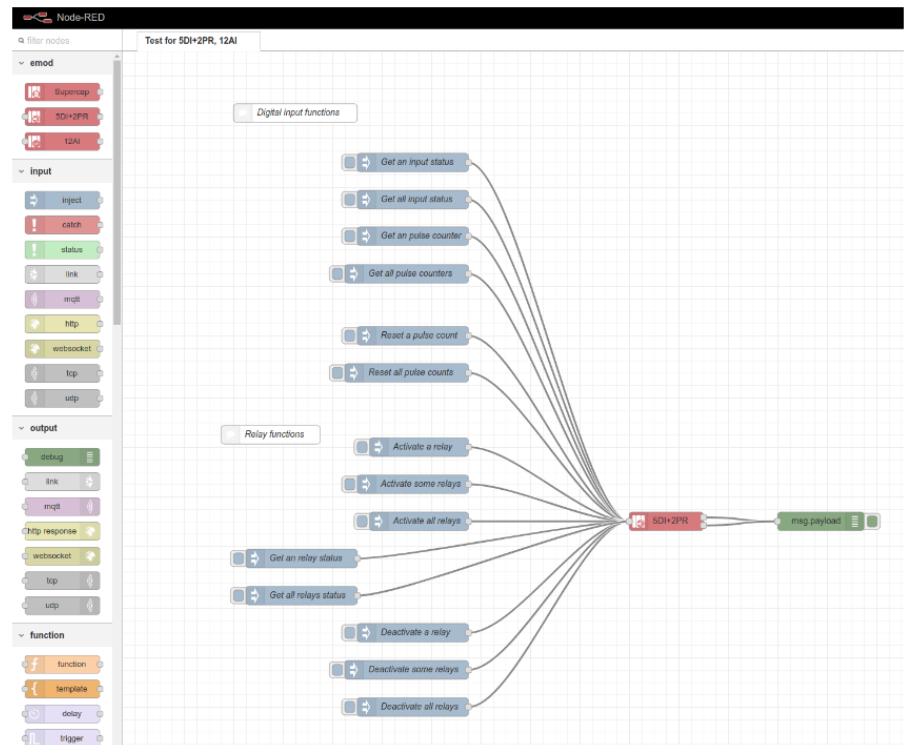
eManager Pro 4G (LATAM/AUX), ARM controller

Code: D30030.

- > Memory: 512 MB | 8 GB eMMC
- > Módulos: 5
- > Communications: RS232/485 | Ethernet | Wi-Fi | 4G LATAM,AUS,NZ
- > 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.





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

#### Mechanical characteristics

|                                  |   |
|----------------------------------|---|
| Size (mm) width x height x depth | 88 x 89 x 48 (mm)                           |
| Envelope                         | Polycarbonate UL94 - Self-extinguishing V12 |
| Fastening                        | DIN rail 46277 (EN 50022)                   |
| Weight (kg)                      | 0,212                                       |

#### 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 |
|------------|--------|



## eManager Pro 4G (LATAM/AUX)

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### Radio communication

|                   |  |
|-------------------|--|
| Band              | LTE Cat 1<br>700MHz/850MHz/900MHz/1700MHz/1800MHz/1900MHz/2100MHz/2600MHz<br>LGA |
| Technology / Type | 4G LATAM   |

### 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  |
|---------------------------|-----------------------------|-----------------------|----------------------|---|---------------|
| <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<br>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<br>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<br>LATAM,AUS,NZ | 85 ... 264 V~ |