

Tables

Specifications

| Redisage PN | | P10 | P11 | P12 |
|--|-------------|--|-----|-----|
| Ports | RS232 | 4x | - | 2x |
| | RS485 | - | 4x | 2x |
| | RS232/RS485 | - | - | - |
| Microcontroller | | STM32 | | |
| WiFi | | N/A | | |
| Bluetooth | | N/A | | |
| SMA socket connector for WiFi/BT antenna | | :x: | | |
| Tactile switch | | :white_check_mark: | | |
| Power | Voltage | 12-30 VDC | | |
| | Power | < 1 W | | |
| Frame ground protection | | yes | | |
| Baud rate | | up to 115200 bps | | |
| LED indicators | | power, link activity, programmable RGB | | |

| Redisage PN | | P10 | P11 | P12 |
|------------------------|-------------|---|-----|-----|
| RS485 termination | | 120 ohm manually enabled | | |
| Connector | RS232/RS485 | 8-pin terminal block max. 2.5 mm ² wire | | |
| | Power | 3-pin terminal block max. 2.5 mm ² wire | | |
| | Ethernet | RJ45 | | |
| Transmission distance | RS485 | max. 1,200 m at 9.6 kbps; max. 400 m at 115.2 kbps (Belden 9841 2P twisted-pair cable, if different cables are used, the transmission distance may change) | | |
| | RS232 | max. 15 m at 115.2 kbps | | |
| Mounting and enclosure | | DIN rail, plastic PA - UL 94 V0, black/green | | |
| Temperatures | | -40°C to +75°C operating and storage | | |
| Humidity | | 10 - 90% RH, non-condensing | | |
| ESD protection | | ±4 kV contact discharge / ±8 kV air discharge | | |
| Certification | | CE, RoHS | | |

Pin assignments

P10

P10 Open IoT
Ethernet Gateway

012345678901234

Power: --- 12-30V/DC <1W
Temperature: -40°C + 75°C
Port: 4xRS232 ETH
Ethernet: 10/100BaseT
MAC Add: #####MAC1#####
REV1 MADE IN EU

| | | | |
|--------|-------|--------|------------------|
| 4 Gnd | 8 Tx2 | 12 Rx3 | Ethernet RJ45 |
| 3 FG | 7 Rx2 | 11 Tx3 | |
| 2 Vin2 | 6 Tx1 | 10 Tx4 | |
| 1 Vin1 | 5 Rx1 | 9 Rx4 | |

CE RoHS
COMPLIANT
Redisage
ELECTRONICS

P11

P11 Open IoT Gateway
4xRS485

012345678901234

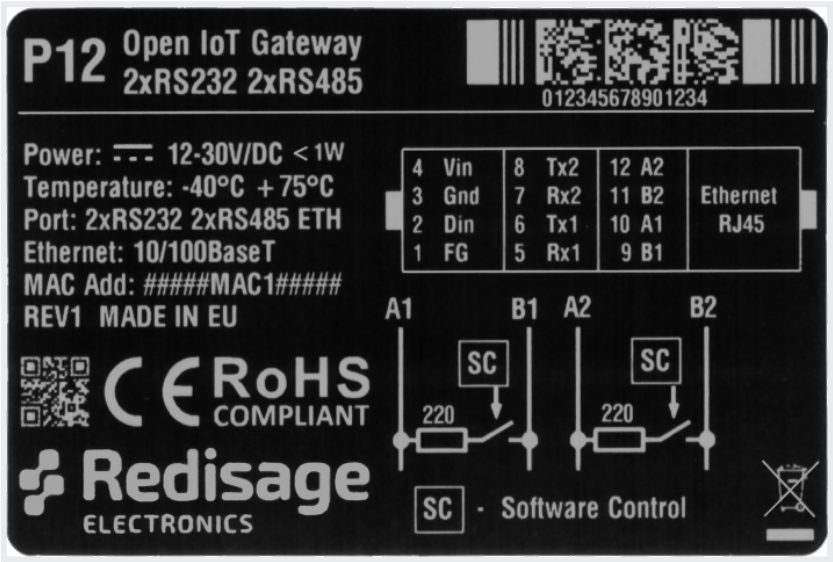
Power: --- 12-30V/DC <1W
Temperature: -40°C + 75°C
Port: 4xRS485 ETHERNET
Ethernet: 10/100BaseT
MAC Add: #####MAC1#####
REV1 MADE IN EU

| | | | |
|--------|------|-------|------------------|
| 4 Gnd | 8 A4 | 12 B2 | Ethernet RJ45 |
| 3 FG | 7 B4 | 11 A2 | |
| 2 Vin2 | 6 A3 | 10 B1 | |
| 1 Vin1 | 5 B3 | 9 A1 | |

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SC - Software Control

P12



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