

# 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		

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RS485 termination		120 ohm manually enabled		
Connector	RS232/RS485	8-pin terminal block max. 2.5 mm <sup>2</sup> wire		
	Power	3-pin terminal block max. 2.5 mm <sup>2</sup> 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	

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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	

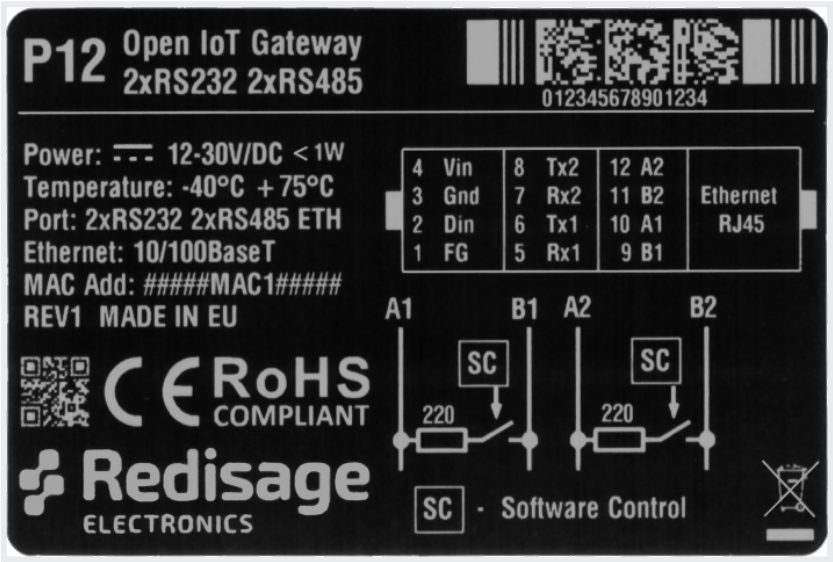
CE RoHS  
COMPLIANT

Redisage  
ELECTRONICS

A1 B1 A2 B2

SC - Software Control

P12



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