

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, EMC, LVD					
Norms		61000-6-2 - Immunity standard for industrial environments 61000-6-4 - Emission standard for industrial environments					

Pin assignments

P10

P11

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 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	

A1 B1 A2 B2

SC SC

220 220

SC - Software Control

CE RoHS COMPLIANT

Redisage ELECTRONICS

P12

P12 Open IoT Gateway 2xRS232 2xRS485

012345678901234

Power: 12-30V/DC < 1W
 Temperature: -40°C + 75°C
 Port: 2xRS232 2xRS485 ETH
 Ethernet: 10/100BaseT
 MAC Add: #####MAC1#####
 REV1 MADE IN EU

4 Vin	8 Tx2	12 A2	Ethernet RJ45
3 Gnd	7 Rx2	11 B2	
2 Din	6 Tx1	10 A1	
1 FG	5 Rx1	9 B1	

A1 B1 A2 B2

SC SC

220 220

SC - Software Control

CE RoHS COMPLIANT

Redisage ELECTRONICS

Revision #4

Created 20 June 2024 09:47:41

Updated 13 May 2025 08:51:19 by Michał Grabski