

Tables

Specifications

Redisage PN		P01	P02
Ports	RS232	-	-
	RS485	-	-
	RS232/RS485	2x	2x
Microcontroller		ESP32	
WiFi		N/A	802.11 b/g/n 150 Mbps / 2.4 GHz
Bluetooth		N/A	v4.2 BR/EDR and BLE
SMA socket connector for WiFi/BT antenna		:x:	:white_check_mark:
Tactile switch		:white_check_mark:	:x:
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	
RS485 termination		120 ohm manually enabled	

Redisage PN		P01	P02
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

P01

P01 Open IoT Ethernet Gateway

012345678901234

Power: --- 12-30V/DC <1W
Temperature: -40°C + 75°C
Port: 2xRS232/RS485 ETH
Ethernet: 10/100BaseT
MAC Add: #####MAC1#####
REV1 MADE IN EU

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

Ethernet RJ45

RoHS COMPLIANT

Redisage ELECTRONICS

SC - Software Control

A1 B1 A2 B2

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SC

P02

P02 Open IoT Wi-Fi Ethernet Gateway

012345678901234

Power: --- 12-30V/DC <1W
Temperature: -40°C + 75°C
Port: 2xRS232/RS485 ETH
Wi-Fi: 802.11b/g/n
Ethernet: 10/100BaseT
MAC Add: #####MAC1#####
REV1 MADE IN EU

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

Ethernet RJ45

RoHS COMPLIANT

Redisage ELECTRONICS

SC - Software Control

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SC

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