

Common Resources

Source of common resources used across the Open IoT and IIoT Gateways documentation

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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	

Introduction

ESP32 Open IoT and IIoT Gateways (P01 & P02)

Open IoT Gateway is also called as a PAC (Programmable Automation Controller). PAC products combine the functionality and openness of a PC, the reliability of a programmable logic unit like PLC and the intelligence of I/O modules with flexible software tools for a wide range of applications from data acquisition, process control, motion control to energy and building management.

Our PAC family includes FreeRTOS PACs and MicroPython PACs for different requirements in OS, CPU and development platform.

The P01 and P02 Gateways are based on **ESP32 Xtensa LX6**.