

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**.