



PLC Gateway

Cloud PLC & Data Diode

Description

The PLC Gateway is designed to run automation algorithms within itself and take instructions / report to a computer server on the cloud or on-premise, enabling remote monitoring and control of industrial machines and processes.

It supports interfaces like MODBUS RTU & TCP, analog inputs (4-20mA and 0-5V), digital inputs (30V), UART, and SDI-12. For connectivity, it offers options including 4G (LTE) with 2G fallback, Ethernet, and WiFi, allowing flexibility based on application needs.

The gateway is compatible with protocols such as MQTT, HTTP, TCP, and CoAP/UDP, ensuring seamless integration with various systems.

Technical Specifications

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|----------------|--|
| Processor | : 32 Bit, 80 MHz ARM |
| Memory | : 16 MB Flash / 300 KB SRAM |
| Storage | : 1 MB (Expandable with uSD) |
| Timekeeping | : RTC with NTP Synchronisation |
| Connectivity | : WiFi + Options - 4G with Fallback 2G & Ethernet |
| Interfaces | : RS485, RS232, 4-20mA, 0-30V DI, 30V DO, 0-5V AI, SDI-12, Pulse |
| Protocols | : MQTT(S), HTTP(S), CoAP, FTP & TCP/IP. |
| Antenna | : Rubber Duck / Sticker |
| Power | : 24-30V DC |
| Configurable | : Ping Intervals, Log Intervals & Server End Points. |
| Datalogging | : Online & Offline. |
| Mounting | : DIN Rail / Wall Mount. |
| Protection | : IP20 / IP65 / IP68. |
| Temperature | : 10 to 60 Deg Cel. |
| Certifications | : CISPR 32, IEC61000-4-2, IEC61000-4-11. |

