

PW-FSGW-V1

Modbus Gateway Card

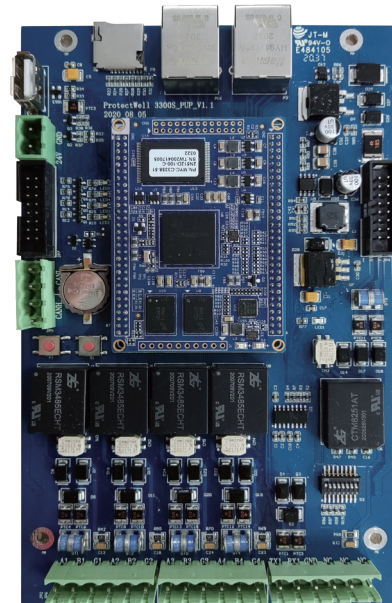
Description

The PW-FSGW-V1 Modbus Gateway card provides a communication link between networks that use the Modbus/RTU or Modbus/TCP communication protocol and PTW-3300S Fire Alarm Control Panels (FACPs) resident on proprietary protocol of (PFN) Protectwell's Fire Network.

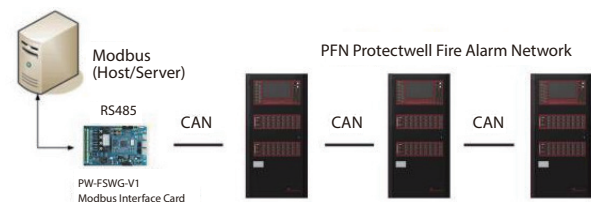
The PW-FSGW-V1 Modbus Gateway communicates with the (PFN) network via the (PUP) port on any PTW-3300S Fire Alarm Control Panels (FACPs) with third-party systems through Modbus/RTU or Modbus/TCP communication ports and can work in either Modbus slave mode or master mode. The Modbus communication protocol is consistent with the Modbus Application Protocol Specification standard V1.1.

The Modbus Gateway is designed with a configuration utility on the PFN network when configured as a sub-system, the gateway maps all the detectors, modules, summary areas, fault areas, (PUP) port status, network nodes offline, etc... of all the configured points and supply you with a user friendly comma-separated value report that defines the mapping of the fire alarm system into Modbus registers, so that the third-party system that can communicate with the Modbus/RTU or Modbus/TCP communication protocol can integrate (PFN) network information required. In most applications you will only need to enter the TCP/IP settings for your network and the nodes you would like to monitor. The gateway will automatically map all the configured points and supply you with a user-friendly comma-separated value report that defines the mapping.

When the PFN network is configured as main system, the gateway maps the common area, logic area, fault area, and reset fire sub-system of the fire alarm system into a Modbus registers, so that the third-party system can obtain the overall (PFN) network information. The gateway can also map the gateway logic area, gateway detector, gateway monitoring module (supervision), gateway monitoring module (fire alarm), gateway control module, etc... of the third-party system into registers, thereby integrating the information of the third-party system into the Protectwell's (PFN) network.



PW-FSGW-V1 Modbus Gateway Interface Card mounted inside the PTW-3300S Fire Alarm Control cabinet



Features

- The 8-bit DIP switch can be configured:
 - Modbus communication port selection: RS485/RJ45;
 - TCP/RTU
- Flexible Modbus register mapping table
- Standard Modbus exception response
- PUP link fault monitoring
- Modbus link failure monitoring
- PFN node status monitoring
- Modbus link port parameters are configurable
- A variety of optional communication ports (only one can be selected):
 - RS485 interface, support Modbus RTU
 - RJ45 interface with support for Modbus TCP
- PW-FSGW-V1 accesses the controller through the PFN network, and a PFN network connects up to 99 PTW-3300S controllers or 98 gateways