

FS-8705-57 – Protec Driver

DATASHEET – Rev 1

DESCRIPTION

For application with **Protec's Cirrus Hybrid and Propoint Plus panels**. This RS485 Driver can receive unsolicited fire and fault events, poll for data, execute commands like 'Silence'

This Driver Supports Auto-Configuration

Connect and Restart and then the FieldServer will monitor discovered detectors and make the data available to other protocols like MODBUS, BACNET, OPC, MQTT, SNMP etc.



Popular Protocols

BACnet

- MSTP, IP, Ethernet, SC, Router...

Modbus

- RTU, TCP, Jbus, Ascii, Daniels, Router...

OPC

MQTT

XML

SNMP v1, v2c, v3

Lonworks

Metasys N2

GE

- EGD, SRTP, SNP, TLC

Fire Alarm Panels

Ethernet Networks
Cloud Apps
Cloud Integration

Gateway

RS485 / RS232 / Ethernet
Lonworks / KNX / M-Bus

Port Count Varies By Model

RS232

RS485 Multidrop / Trunk

Bus Protocols Lonworks, KNX, M-Bus

RS485 Multidrop / Trunk

PROTEC
Pro Point Plus
Cirrus Hybrid

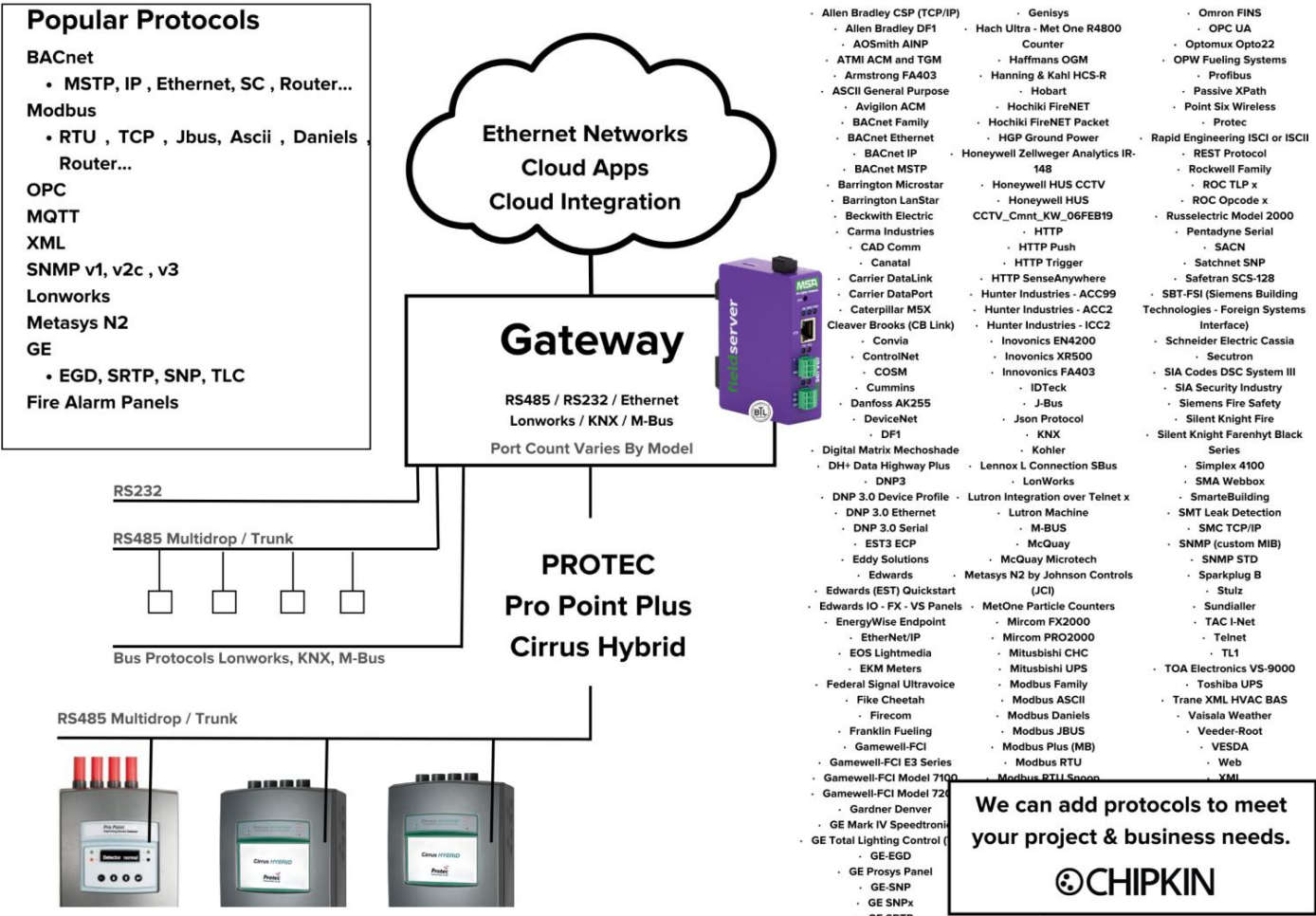


- Allen Bradley CSP (TCP/IP)
- Allen Bradley DF1
- AOSmith AINP
- ATMI ACM and TGM
- Armstrong FA403
- ASCII General Purpose
- Avigilon ACM
- BACnet Family
- BACnet Ethernet
- BACnet IP
- BACnet MSTP
- Barrington Microstar
- Barrington LanStar
- Beckwith Electric
- Carma Industries
- CAD Comm
- Canatal
- Carrier DataLink
- Carrier DataPort
- Caterpillar M5X
- Cleaver Brooks (CB Link)
- Convia
- ControlNet
- COSM
- Cummins
- Danfoss AK255
- DeviceNet
- DF1
- Digital Matrix Mechoshade
- DH+ Data Highway Plus
- DNP3
- DNP 3.0 Device Profile
- DNP 3.0 Ethernet
- DNP 3.0 Serial
- EST3 ECP
- Eddy Solutions
- Edwards
- Edwards (EST) Quickstart
- Edwards IO - FX - VS Panels
- EnergyWise Endpoint
- EtherNet/IP
- EOS Lightmedia
- EKM Meters
- Federal Signal Ultravoice
- Fike Cheetah
- Firecom
- Franklin Fueling
- Gamewell-FCI
- Gamewell-FCI E3 Series
- Gamewell-FCI Model 7100
- Gamewell-FCI Model 7200
- Gardner Denver
- GE Mark IV Speedtronic
- GE Total Lighting Control
- GE-EGD
- GE Prosys Panel
- GE-SNP
- GE SNPx
- GE SRTP
- Genisys
- Hach Ultra - Met One R4800 Counter
- Hoffmann OGM
- Hanning & Kahl HCS-R
- Hobart
- Hochiki FireNET
- Hochiki FireNET Packet
- HGP Ground Power
- Honeywell Zellweger Analytics IR-148
- Honeywell HUS CCTV
- Honeywell HUS
- CCTV_Cmnt_KW_06FEB19
- HTTP
- HTTP Push
- HTTP Trigger
- HTTP SenseAnywhere
- Hunter Industries - ACC99
- Hunter Industries - ACC2
- Hunter Industries - ICC2
- Inovonics EN4200
- Inovonics XR500
- Inovonics FA403
- IDTeck
- J-Bus
- JSON Protocol
- KNX
- Kohler
- Lennox L Connection SBus
- LonWorks
- Lutron Integration over Telnet x
- Lutron Machine
- M-BUS
- McQuay
- McQuay Microtech
- Metasys N2 by Johnson Controls (JCI)
- MetOne Particle Counters
- Mircom FX2000
- Mircom PRO2000
- Mitsubishi CHC
- Mitsubishi UPS
- Modbus Family
- Modbus ASCII
- Modbus Daniels
- Modbus JBUS
- Modbus Plus (MB)
- Modbus RTU
- Modbus RTU Snop
- Omron FINS
- OPC UA
- Optomux Opto22
- OPW Fueling Systems
- Profibus
- Passive XPath
- Point Six Wireless
- Protec
- Rapid Engineering ISCI or ISCI
- REST Protocol
- Rockwell Family
- ROC TLP x
- ROC Opcode x
- Russelec Model 2000
- Pentadyne Serial
- SACN
- Satchnet SNP
- Safetran SCS-128
- SBT-FSI (Siemens Building Technologies - Foreign Systems Interface)
- Schneider Electric Cassia
- Secutron
- SIA Codes DSC System III
- SIA Security Industry
- Siemens Fire Safety
- Silent Knight Fire
- Silent Knight Farenhyt Black Series
- Simplex 4100
- SMA Webbox
- SmarteBuilding
- SMT Leak Detection
- SMC TCP/IP
- SNMP (custom MIB)
- SNMP STD
- Sparkplug B
- Stulz
- Sundaller
- TAC I-Net
- Telnet
- TL1
- TOA Electronics VS-9000
- Toshiba UPS
- Trane XML HVAC BAS
- Vaisala Weather
- Veeder-Root
- VESDA
- Web
- YMI

We can add protocols to meet
your project & business needs.

CONNECTION CONFIGURATIONS

Multiple upstream protocols and connection supported. See list of FieldServer Drivers.



DRIVER FUNCTIONALITY

This driver is for application with Protec's **Cirrus Hybrid** and **Protec Propoint Plus**

The Driver can read and write data, change settings and issue commands to the Protec panels. The driver receives fault data and fire data when sent by a panel. This means this particular data is updated as soon as the event occurs. A single gateway can connect to multiple Protec panels on a RS485 bus using this driver. Each FieldServer gateway has 2x RS485 ports and thus two trunks of Protec panels can be monitored by one FieldServer Gateway.

The data that is read will be cached for serving via a 2nd protocol such as DNP3 to Cimplicity or Modbus / BACnet for a building management system. Any of the over 140 protocols in the gateway library may be connected to the Hunter Driver.

The gateway requires minimal configuration and has an **auto discovery** process and therefore can be considered a plug and play component of a system, in that it is ready to operate out of the box with the default configuration.

A rudimentary web page is provided for testing.



CONNECTION INFORMATION

CONNECTION TYPE:	RS485
Hardware Interface:	
Multidrop Capability:	Only one gateway per trunk of detectors

DEVICES TESTED

DEVICE	TESTED (FACTORY, SITE)
Protec Cirrus Hybrid and Propoint Plus	Chipkin Lab – tested with one of each panel.

CONNECTION FACTS

FIELDSEVER MODE	NODES	COMMENTS
Client	Many	The FieldServer will be able to poll multiple SMA Web Boxes
Server	0	Not supported or documented.

FORMAL DRIVER TYPE

Ethernet
Client

COMPATIBILITY

FIELDSEVER MODEL	COMPATIBLE
FS-QS-2XX0	Yes
FS-QS-3XX0	Yes
FS-QS-1X11	Yes

CUSTOMER SUPPORT

Protec Driver for FieldServer was developed by Chipkin, and we are proud to provide support for our products. For technical support, sales and customer service, please call us at 1 (866) 383-1657.

Thanks for choosing Chipkin’s products and integration services to meet your building and industrial automation requirements!

Chipkin™ is a building and industrial automation protocol expert. We develop, configure, install and support gateways (protocol converters), data loggers and remote monitor and controlling applications. Founded in October 2000, Chipkin provides expert solutions for converting BACnet®, Modbus®, and LonWorks®—to name just a few—and enabling interfaces for HVAC, fire, siren, intercom, lighting, transportation, and fuel systems. The high-quality products we offer (including those from other vendors) interface with Simplex™, Notifier™, McQuay™, GE™ and many others—so you can rest assured that we will select the most appropriate solution for your application.

With Chipkin you are buying a solution. Our configuration expertise in this field combined with free BACnet and other tools ensure your success; and our customer support via phone, email and remote desktop tools means that we are there when you need us. Chipkin is a small responsive company, and we live or die by the quality of our service—and with offices in two time zones—we can provide support when you need it. Give us a call now!

Sales and Customer Service

Toll Free: +1 866 383 1657
Email: salesgroup1@chipkin.com

All contents are Copyright © 2024 Chipkin Automation Systems Inc. All rights reserved.
This document is Chipkin Public Information

REVISION HISTORY

This table summarizes the update history for this protocol data sheet. Please contact Chipkin by phone or email for an updated version of this document.

DATE	RESP.	DOCUMENT REVISION	COMMENTS
2024Jun27	PMC	0	For Protec review
2024Jul07	PMC	1	For release