Case Study

Farenhyt Black Series FACP's Add BACnet to win bid.

A customer had a problem – to sell panels to a large project they needed to provide a BACnet integration path.   They needed a company to develop a solution so their (now winning) bid could be considered.

Chipkin has completed a driver which communicates with Farenhyt Series Black Fire Panels. It connects to the printer port of the main panel. All addressed and system events can be processed. Each point in the fire system is mapped onto a BACnet object.

IFP300 FACP

What does it cost to develop a driver?

Somewhere between Free and $27,000. Typical is less than 10k. Those two numbers represent the extremes. We do some things for free because we know we will sell lots of gateways.
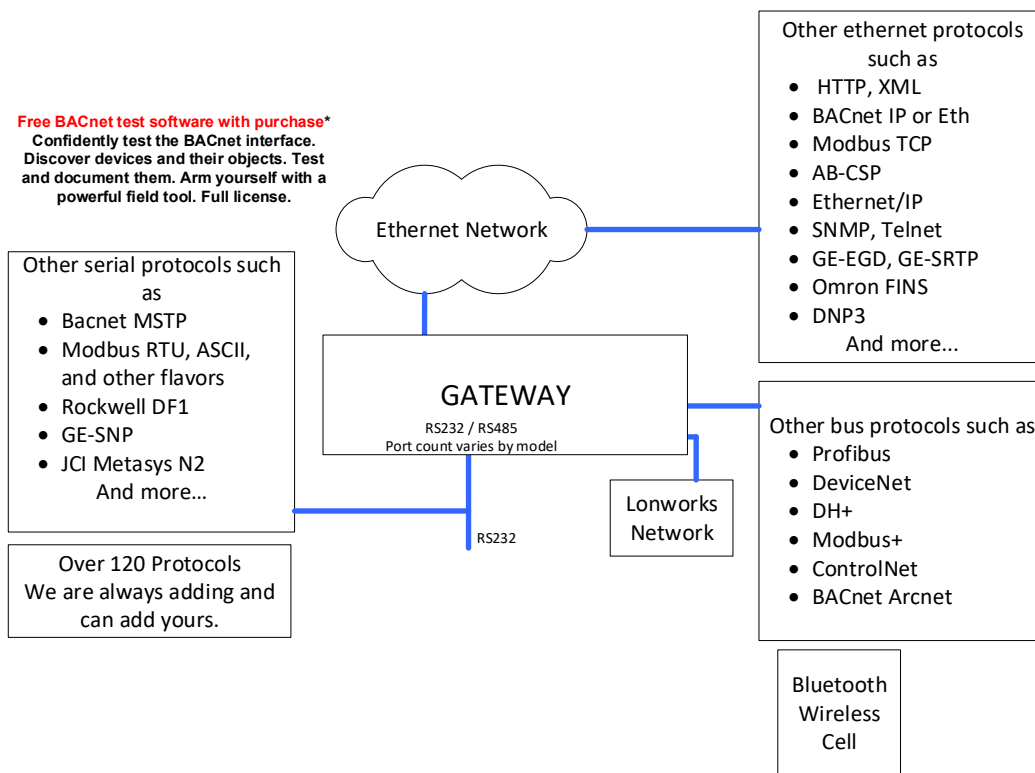
Talk to us.

Introduction

Farenhyt Series Black is a fire protection system from Honeywell. It offers flexible solutions for emergency communications, carbon monoxide sensing and fire detection. The series has native Building or Industrial automation protocol. This presents challenges to integration. To a FACP vendor, that presents challenges in selling the product.

Honeywell provided Chipkin with resources and did the testing of the driver. Thank you Honeywell. However, they did not pay for the development of the driver. Chipkin developed the driver for a 3rd party customer.

The protocol driver is linked to any other protocol in our library. Thus each fire panel point can be mapped onto objects of any of our protocols. Eg. BACnet, Modbus, EIP, Lonworks, EGD, Omron, etc.

Free BACnet test software with purchase*
Confidently test the BACnet interface. Discover devices and their objects. Test and document them. Arm yourself with a powerful field tool. Full license.

Other ethernet protocols such as
- HTTP, XML
- BACnet IP or Eth
- Modbus TCP
- AB-CSP
- Ethernet/IP
- SNMP, Telnet
- GE-EGD, GE-SRTP
- Omron FINS
- DNP3
     And more...

Ethernet Network

Other serial protocols such as
- Bacnet MSTP
- Modbus RTU, ASCII, and other flavors
- Rockwell DF1
- GE-SNP
- JCI Metasys N2
     And more...

Over 120 Protocols
We are always adding and can add yours.

GATEWAY
RS232 / RS485
Port count varies by model

RS232

Lonworks Network

Other bus protocols such as
- Profibus
- DeviceNet
- DH+
- Modbus+
- ControlNet
- BACnet Arcnet

Bluetooth Wireless Cell

Chipkin Automation Systems

Protocol to protocol – Enabling the IOT Internet of Things

Products that support approx.. 140 major protocols. If we don't have a solution for you we will make you one. More than a dozen customers a year have a custom driver developed for them.

Chipkin are highly regarded for their outstanding support. System integration isn't always trivial even if that is what they tell you.

The Chipkin BACnet stack comes with a 100% copyright infringement indemnity to make corporate lawyers happy. Customers get direct access to the stack developers for coaching and problem solving.

Honeywell Farenhyt

Honeywell Farenhyt Series addressable fire alarm control panels offer advanced fire protection by intelligently connecting devices in a central panel to detect fire quickly and precisely. Ideal for upgrades, retrofits or new construction, Farenhyt Series addressable fire panels are easy to install, operate and maintain. Through a flexible design, Farenhyt Series products provide you the freedom of choice in your distributor selection and ongoing servicing provider.

Our addressable fire panel portfolio includes a range of system sizes and networkable architecture, so you can create the ideal system size and cost for your facility

Some Details

This driver is optimized for simplicity of configuration. Incoming events are parsed. The panel number, event type and event address are extracted. The driver stores event data in internal tables. The tables are named for the panel number and event type.

>Eg Receive this SENSOR message

>>Manual Pull Alarm Restore Zone 001 [M97:S0011]

>>Data Array set as follows: P1_Fhyt_Sensors [11] = 0

>Eg. Receive this ZONE message

>>Manual Pull Alarm Zone 009

>>Data Array set as follows: P1_Fhyt_zones [9] = 1

The names in Red are examples of the data table names used by the driver.   For example, to receive zone events from Panel 2 all one needs to do is create a table called P2_Fhyt_zones

The driver is future proofed in that System event messages like low battery can be edited or added to.

Keywords

Farenhyt Modbus

Farenhyt BACnet

These model numbers with Modbus, BACnet

IFP 2100 BACnet

IFP 300 BACnet

IFP 75 BACnet

IFP 2000 BACnet

IFP 1000 BACnet

IFP 100 BACnet

Farenhyt EthernetIP

Farenhyt Building Automaton

Farenhyt protocols

IFP 2100 protocols

Farenhyt gateway

FARENHYT Integration

FARENHYT BAS

FARENHYT Building Automation

Farenhyt converter

IFP 2100 converter

Farenhyt protocol converter

Farenhyt Rockwell