



FieldServer Data Sheet - ProtoNode Protocol Gateway FPC-N34/35

Overview

Sierra Monitor pre-programs the ProtoNode solution to provide a virtual plug-and-play, easy, complete protocol package for the OEM including: BACnet MS/TP, BACnet/IP, Metasys N2 by JCI, Modbus TCP/IP, KNX, M-Bus, EtherNet/IP, LonWorks and many others. There are no configuration files to download in the field and all configurations are available to the user/installer simply by selecting the proper DIP switches. ProtoNode OEM users have access to the extensive FieldServer driver library.

ProtoNode is the instant answer to a manufacturer's needs to meet customer demands. As an example, a manufacturer might have five different devices, each requiring a variety of protocols to meet their customer's interoperability needs. They desire a single source solution, with multiprotocol, multi-configuration capability, and they need it now! A single ProtoNode Solution can be provided by FieldServer that has all pretested configuration choices preloaded.



ProtoNode Selection

- Ability to automatically support multiple known controller profiles.
- Designed to be full featured, field programmable, and with multiple protocol support for any protocol translation between Serial, Ethernet, LonWorks, KNX or M-Bus environments.
- Three methods of configuration:
 1. Configuration Auto-Selector (via DIP switches)
 2. Auto-Discover known devices
 3. Profile selection via Web Configurator to load multiple configurations
- Support one or multiple field protocols in single ProtoNode.
- Supports up to 10,000 Host and Field Protocol memory points depending upon model selected.
- Has the ability to simultaneously be a Gateway and a BACnet MS/TP to BACnet/IP Router (additional charge).
- BACnet COV support provides fast data communication while reducing the traffic over a BACnet network.
- BACnet BBMD Server support for connecting to remote BACnet networks.
- Supports virtual nodes allowing multiple OEM controllers to connect to a single ProtoNode and seen as separate controllers on the various field networks.
- Easily supports OEM's custom proprietary host serial or Ethernet protocols.
- Multi-Client and Multi-Server support ensures interoperability between any Industrial and or Building Automation protocols.
- BTL Marked and LonMark Certified.

