

# Field Devices

## BACnet to N2 Router



### General Information

Schneider Electric now offers the S4 Group's BACnet to N2 Routers. This addition to the Schneider Electric Sourced Product offering will allow Partners and Branches to provide solutions to building owners that are looking for better service and support. This solution will allow Partners and Branches to utilize the BACnet IP capabilities of their BAS platforms to easily integrate into existing Metasys® N2 networks.

The S4 Group's BACnet to N2 Router allow for bi-directional media and transport independent open systems interface at the N2 Field bus level. Having the ability to implement best-of-breed solutions, utilize existing network infrastructure, and retain existing investments by the building owner.

The N2 bus is limited to 9600 baud half-duplex communication and can become overwhelmed when integrated into a modern high speed Building Automation System. Issues such as time-outs, data loss and other errors can be caused by polling several points at once, malfunctioning N2 devices, EMF interference, and other factors. The potential for issues increase as the downstream N2 bus grows in size and age. The S4 BACnet to N2 Router offers a solution for an easy integration into a Schneider Electric Building Automation system as well as improving down stream communications.

### BACNET TO N2 ROUTER

#### Features and Benefits

- Auto Discovery
- Eliminates Metasys® HMI
- Upstream/Downstream Support
- Remote Communication
- Model Selection
- Additional Downstream Ports
- Sub-Protocol Support

#### Literature

- [BACnet to N2 Router Brochure](#)
- [S4 Open Appliance Quick Start](#)
- [S4 Open BACnet to N2 Router PIC Statement](#)
- [Case Study: Metasys® to Schneider Electric Buildings Integration](#)

Contact Customer Care at:

1-888-444-1311

Or visit

iPortal at <http://www.iportalbuildings.com>

### Features and Benefits

- **Auto Discovery** – The BACnet to N2 Router automatically discovers and configures existing information in N2 devices to BACnet objects that can then be read/written over BACnet IP by a Schneider Electric Building Automation System. The Schneider Electric BAS system will be able to perform typical BAS functions such as scheduling, alarming, trending, archiving, and global variable support (i.e. Outside Air Temperature), effectively replacing the existing legacy supervisory controller.
- **Elimination of Metasys® HMI** – Easily attach BACnet IP objects to the graphics of the Schneider Electric BAS system.
- **Upstream and downstream Support.** – The BACnet to N2 Router allows the Schneider Electric BAS system to be integrated into the system, leaving the legacy supervisory controller and HMI in place. The router also allows large N2 buses to be split into smaller segments to minimize time outs, loss of data and associated errors.
- **Remote Communication** – By extending the existing N2 device interfaces over Ethernet TCP/IP, remote communication to Schneider Electric Building Automation Systems is available.
- **5 Models Available** – The BACnet to N2 Router is available in 5 models (16, 32, 64, 128 and 256) to meet the node requirements of your integration in the most cost effective manner.
- **Additional Downstream Ports** – Allows for the merging of multiple N2 buses into one virtual upstream bus, and automatically translates N2 addresses.
- **Sub-Protocol Support** – The BACnet to N2 Router supports N2B, System 91, N2 Open, Vendor Devices, and Metasys® Integrator sub-protocols and works with any generation of Metasys® that supports N2.

### Literature

The following documents provide more information about the S4 BACnet to N2 Router:

- BACnet to N2 Router Brochure
- S4 Open Appliance Quick Start
- S4 Open: BACnet to N2 Router PIC Statement
- Case Study: Metasys® to Continuum Integration

### Additional Information

Please contact your Regional Product Specialist with any questions.