



NT-BAC/IP

BACnet Ethernet Gateway

Automatic Thermostat Discovery

For XBUS Wired & StrongMesh™ Wireless
(options available for Wi-Fi & Ethernet)

10/100Mbps Ethernet Connectivity

*Works with Tridium®, Automated Logic®,
Delta® and any other BACnet-IP Building
Automation System*

GENERAL DESCRIPTION:

The NT-BAC/IP connects directly to your existing NT-IPXB, NT-SSA32/CLK or NT-SSA16/CLK Network Controller and converts the information to BACnet/IP. This allows the user to control and monitor the XBUS network from any Building Automation System capable of communicating over BACnet/IP. The NT-BAC/IP includes standard RS-232 port, RJ45 jack for 10/100 Mbps Ethernet, and 9V DC power supply. The NT-BAC/IP includes standard objects (a.k.a. points or data points) such as Analog Inputs, Binary Inputs, Analog Outputs, Binary Outputs, Analog Variables, and Binary Variables. This flexible device can be installed on site with the BACnet system, or the BACnet system can be located in a different location (or city) and still reliably communicate with the NT-BAC/IP from anywhere with Internet access.

When used in conjunction with the NT-IPXB, the NT-BAC/IP provides the industry's only failsafe for HVAC control. If the NT-IPXB does not receive a BACnet communication signal within an adjustable time out period, the NT-IPXB run you failsafe schedules until BACnet communication is re-established.

STANDARD FEATURES:

- Allows Connection of any Net/X™ Network Controller Based System
- Connects to any BACnet-IP System via Ethernet
- Connects to Net/X™ NT-IPXB Network Controller via Ethernet (or remotely via the Internet)
- Connects to Net/X™ NT-SSAx/CLK Network Controller via an NT-IP232 Ethernet Interface *
- Works with up to 32 Net/X™ XBus and/or StrongMesh™ Wireless Thermostats (dependent on the number of points required)
- Option Available for Net/X™ GE22-WIFI and HP32-WIFI Support
- Auto-Discovery of All Net/X™ Thermostats connected to a Net/X™ Network Controller
- BACnet BBMD Support
- Custom Point Mapping Service Available
- Mounting Tabs for Simple Wall Mount
- 9VDC Power Supply Included (UL Listed)



* Note – NT-SSAx/CLK Network Controller and NT-IP232 are legacy devices no longer manufactured, but will work with the NT-BAC/IP.

SPECIFICATIONS:

Rated Power:	9-30VDC / 370mA. 9VDC UL Listed Power Supply Included
Ethernet:	IEEE802.3, 10/100Mbps
Dimensions:	3.875"L x 1.68"W x 1.0"H
Operating Temperature:	0°C to 60°C (32°F to 140°F)
System LEDs:	Red – Power; Green – Ethernet LAN Link; Green – Ethernet Activity
Ethernet Terminations:	RJ-45
FCC Approval:	FCC Part 15, Class A
UL Approval:	UL60950
* Partial Points List:	AV's, AI's, BV parameters (varies per point type) Read/Write = Mode, Fan, Occ Heat & Cool Setpoints, UnOcc Heat & Cool Setpoints, Min-Cool, Max-Heat, Occupancy, and more Read = Space Temp, Outdoor Temp, Active Stages, Override Setpoints

* Contact factory for complete listing and options available

WIRING DIAGRAMS:

