Axis AX

Network Modules

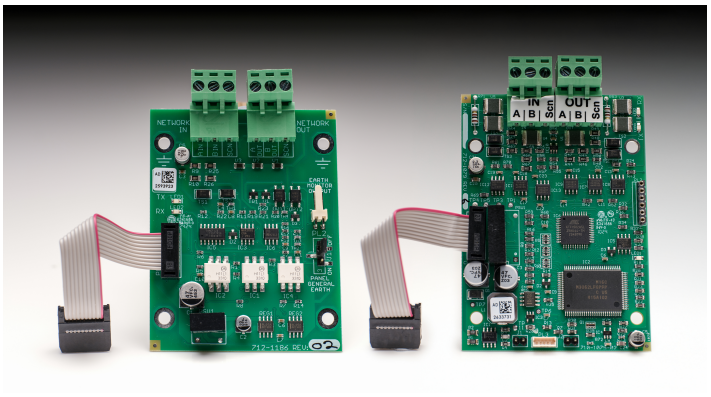
The AX-NET4 and AX-NET7 network modules meet the demands of both small and large networks, and provide the benefits of distributed intelligence and reduced installation costs.

The network can be fully fault tolerant to single opens or short circuits by using the Advanced AX-NET7 module. In addition, ground fault monitoring is standard with either style network.

The Advanced network operates as a true peer-to-peer network with full cross-node reporting. The network allows information from any input or output device to be passed over the network and displayed on any Axis AX fire alarm control panel or remote graphical LCD annunciator. Details include alarm, supervisory, warning, trouble, control events and disabled zone/points as well as analogue values, test instructions and status information.

For more complex networked systems, the Advanced Windows-based PC-NeT configuration software allows sector based programming for such functions as drill, acknowledge, silence, resound and reset control keys. All panels within the same sector can share common controls, and each fire alarm panel or remote annunciator can also be programmed to show specific network information on a zone/point basis.

The level of information displayed and the control capabilities of each network node is fully field programmable. Individual nodes can be configured to vectors information and control, allowing specific nodes to be dedicated to alarms, mass notifications, troubles, supervisory or other status events.



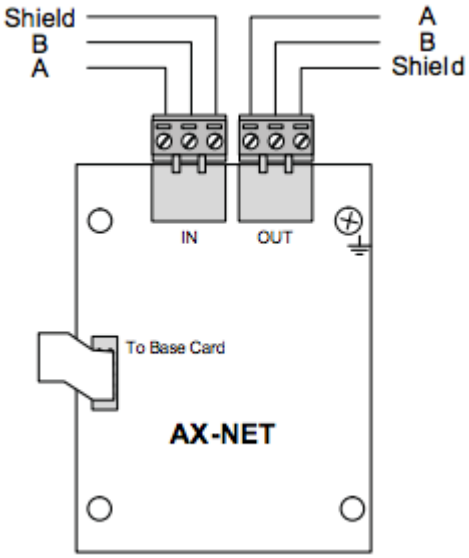
Features

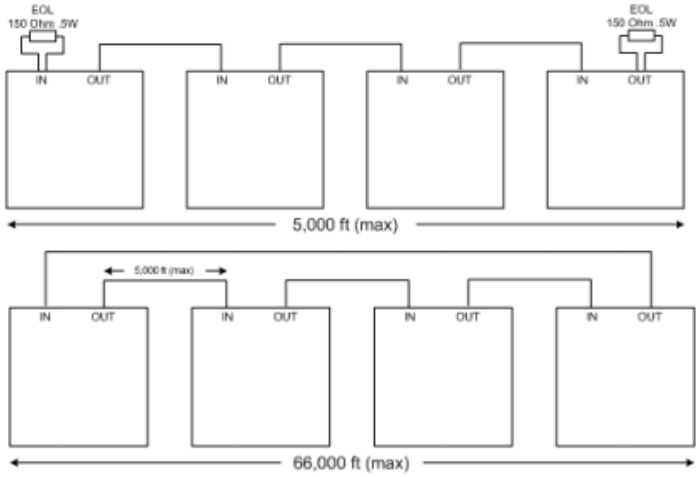
- Class B or Class X(A) Network Communicators
- Peer-to-Peer Network
- Fully Fault-Tolerant Network
- Up to 5000ft Between Nodes
- In-built Network Diagnostics displaying Real-time Information
- 200 Nodes Per Network without Audio
- 150 Nodes Per Network with Audio
- Up to 1000 Shared Network Zones
- Uncomplicated and Easy Installation

Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- CSFM Approved: Pending
- NYCFD COA: Pending

Wiring Diagrams





Specification

Operating Current (AX-NET4 & 7) Quiescent Alarm	 62 mA 62 mA
Environment	Indoor, Dry
Operating Temperature	32ºF-120° F (0ºC-48° C)
Humidity	10-95% (Non-condensing)
Dimensions AX-NET4 & AX-NET7	 3½“ H x x 2½“ W x ½” D
Weight AX-NET4 & AX-NET7	 1.7 oz
Nodes/Distances AX-NET4 AX-NET7	 32 Nodes, 5000ft Maximum (EOL 150 Ohm [both ends]) 200 Nodes, 5000ft Between Nodes, 66000ft maximum overall cable length
Wiring	Twisted pair 18 - 20 AWG Minimum Recommended Twisted Shielded (Belden 8760, 8762)

Ordering Codes and Options

AX-NET4	Class B Network Module
AX-NET7	Class X(A) Network Module

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

Advanced

Axis AX

Peripheral Expansion Network Node Module

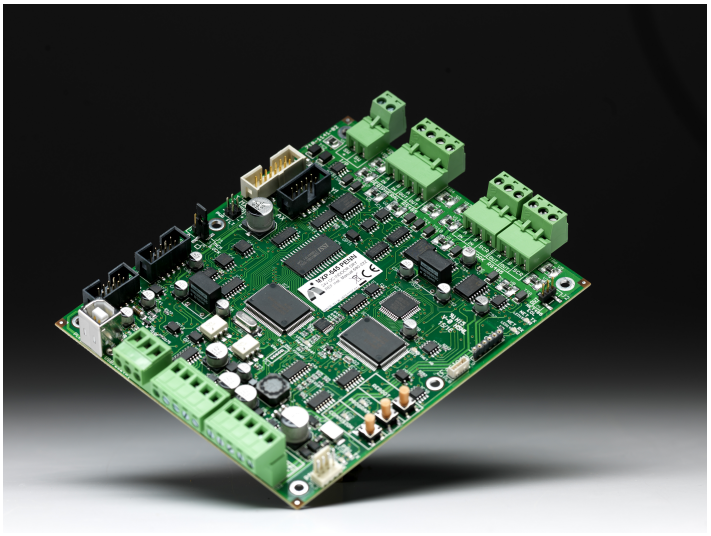
The Peripheral Expansion Network Node Module provides an Advanced network interface for remote monitoring and control of an integral Axis AX peripheral bus (PBUS). Two (2) versions of the peripheral expansion network node module are available; one for a Class B, Ad-NeT-PluS peer-to-peer network (AX-PENN) and one for Class X(A), Ad-NeT-PluS peer-to-peer network (AX-PENN/ST7).

Like the AX-CTL base card peripheral bus, the peripheral expansion network node module's (AX-PENN or AX-PENN/ST7) peripheral bus (PBUS) can support 16 of any specific Advanced PBUS module to a maximum of 32 PBUS modules. Peripheral bus modules include; audio amplifiers, switch/LED modules, switch/LED driver modules, fan/damper control modules, LED modules, conventional zone modules and four point relay modules.

In addition to providing a remote network interfaced peripheral bus, the peripheral expansion network node module can also support a standard Axis AX keyboard display (AX-DSP). An example of a product utilizing this feature would be the Advanced AX-LOC local operating control panel.

Besides supporting an optional AX-DSP keyboard display, each peripheral expansion network node module (AX-PENN or AX-PENN/ST7) can support a supervised panel strip printer and/or external 80 column wide carriage printer.

Normally installed in an enclosure like the AX-LOCs, an optional single aperture plate is available for AX-PENN (/ST7) mounting. This optional plate allows the AX-PENN (/ST7) to be installed in any Advanced enclosure. It is used for applications such as custom bespoke rotary switch, LED indication display panels, data gathering or simply expanding an array of interfaces.



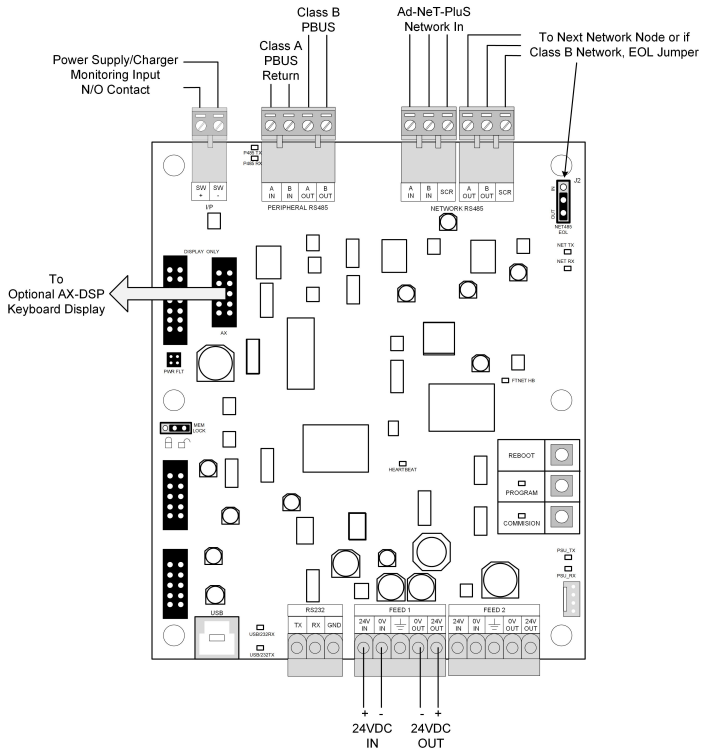
Features

- Remotely Located PBUS Module Support
- Available as Class X(A) or B Ad-NeT-PluS Network Node
- Supports up to 32 Advanced PBUS Modules
- Supports up to 16 of any PBUS Module Type
- Serial Port for Connection of Optional AX-DSP
- Integral RS232 Interface for External Printer/CRT
- Strip Printer Interface Port
- Power Supply/Charge Monitoring Input
- Fifteen On-Board Status LEDs
- USB Port for Programming

Listings and Approvals

- Certified to UL864 10thEdition – File No. S35979

Wiring Diagram

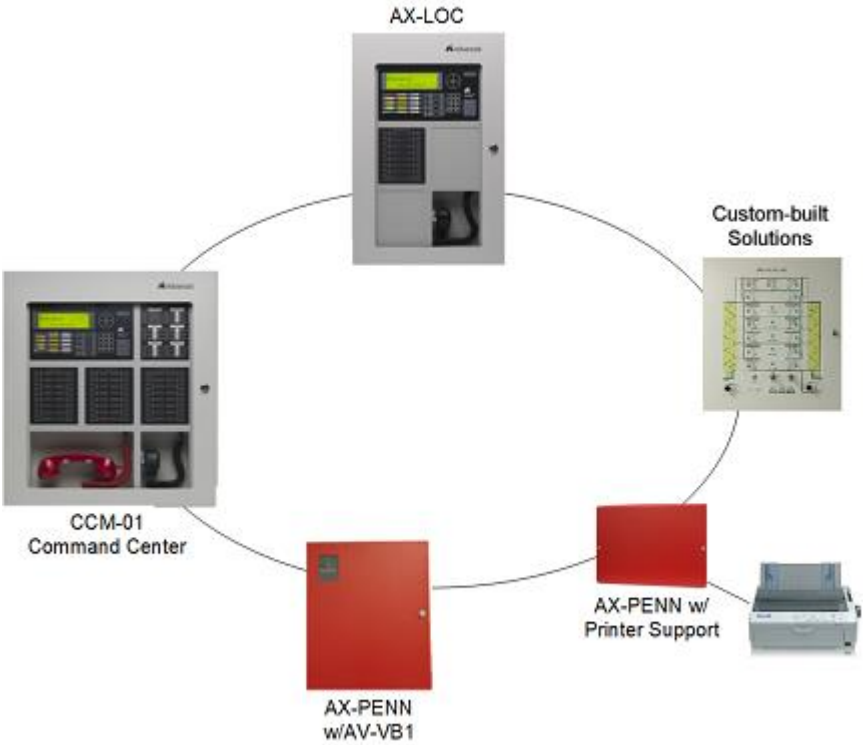


Specifications

Operating Voltage	24VDC
Operating Current	AX-PENN: 65 mA, AX-PENN/ST7: 90 mA
Operating Temperature	32^0F - 120^0F (0^0C - 49^0C)
Humidity	95% (Non-Condensing)
Dimension	6" (H) x 5" (W) x 1" (D)
Supervised Input	3.3K EOL
Programming Buttons	Reboot, Program, Commision
10-Pin Serial Port	Optional AX-DSP Port
Serial Interfaces	USB, RS232 (Isolated)
PBUS	32 Maximum Modules

Ordering Information

AX-PENN	Peripheral Expansion Network Node, Class B
AX-PENN/ST7	Peripheral Expansion Network Node, Class X(A)
590-398	Metal Mounting Plate with Screws



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