Advanced

Axis AX

Advanced Commander

The Advanced Commander is a powerful IP based solution for customers requiring protocol translation between their Advanced Fire Control Equipment and a Building Management System (BMS).

The device can be used as a simple bridge between manufacturer's components providing seamless integration and delivering guaranteed performance.

The conversion protocols supported by the Advanced Commander are those generally found in use by the most common Building Management Systems on the market today and are currently 'BacNet' or 'Modbus'.

The Advanced Commander supports up to 640 Objects/Tags of information, which can be configured and passed between network components and delivered to the Building Managements Systems (BMS) using TCP/IP technology.

The Advanced Commander has powerful Windows® based software management suite built-in to provide engineers with the ability to write Cause & Effect strategy, check data logging, calendar, and timer functions.

TCP/IP connectivity permits the Advanced Commander to be located locally to the distributed network of Fire Control Panels, but at the same time caters for remote programming and Building Management System (BMS) access.



Features

- BacNet/Modbus Protocol Integration
- 640 Configurable Object/Tags
- Windows® Based Programming
- Powerful IP Controller
- Configurable on a Zone/Point Basis per Object for Fire, Fault, Alarm & Isolation
- Engineer Configurable Over TCP/IP
- Supports a Single Ad-Net Network
- Small & Compact
- Low Voltage 12 VDC - 24 VDC
- Configurable using Specialized Cause & Effect

Specification

Processor	Embedded AMD Low Power CPU
Memory	512 MB RAM
Disk Space	4Gb Industrial Solid State Hard Drive
Graphics	Not Applicable
Sound Card	Not Applicable
USB Port	Not Applicable
Ethernet	1 x Ethernet Port
Serial Port	2 x Serial Port for Communication with Ad-Net Networks - We Recommend Ordering the UP-001 (RS232 Cable) for Interconnection to Mxp-510-Bx.
PS/2 Socket	Not Applicable
Dimensions	45mm (H) x 126mm (W) x 82mm (D)
Power Requirements	1 x Terminal Socket for DC Power Input 12 VDC - 24 VDC +/- 10% (Not Supplied)
Internal Battery	1 x Internal Lithium Battery (Size 1/2AA - 3.6v)
Operating Temperature	0ºC-50ºC
Warranty	12 Month Warranty

Order Codes and Options

MXP-642:	Commander - BacNet/ModBus (IP) Interface
MXP-642C:	Commander - BacNet/ModBus (IP) Interface - Configured
UP-001:	RS232 9-Way to 3-Way Cable
AX-BMS-St4	Standard Network BMS Interface Boxed
AX-BMS-St7	Fault-Tolerant Network BMS Interface Boxed

Compatibility: The Advanced Commander is compatible with all Axis AX control equipment, but requires the Ax-BMS-St4 (BMS/Graphical Interface) to be installed on the Ad-Net network for connectivity to the Commander.

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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.

Axis AX

BMS / Graphics Interface

Providing superior monitoring and control in a remote location, via a serial RS-232 interface, the Advanced BMS/Graphics Interface (AX-BMS) provides a building management system or colour graphics package interfacing to a single Axis AX series intelligent fire alarm control panel or a complete Axis AX series peer-to-peer network installation.

The BMS/Graphics Interface (AX-BMS) consists of the AX-BMS PCB and an enclosure. It consumes one node address on a network and can be used on either the Advanced Class B or Class X(A) fault-tolerant peer-to-peer network.

The state of each network node and the status of individual devices (such as analogue values of intelligent smoke detectors) on a network can be sent to the building management system or colour graphics package at any time in a user-friendly, clear and concise manner. Also, at any time control and view requests can be sent to the AX-BMS interface device.



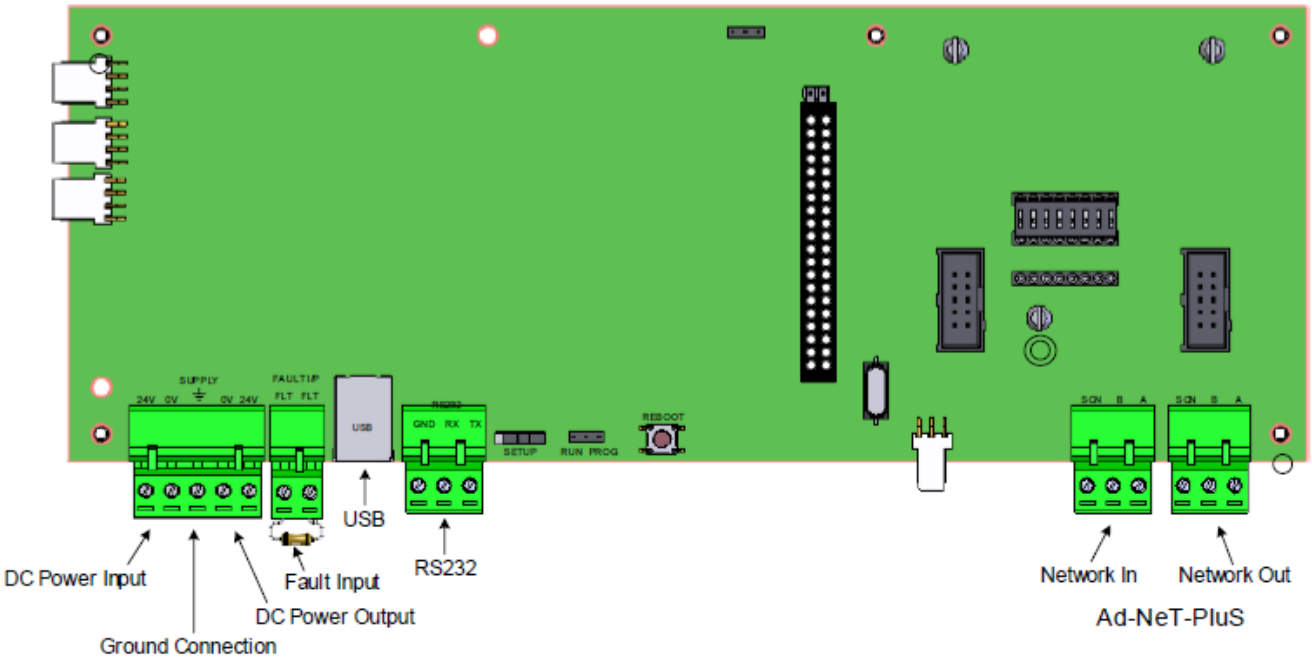
Features

- Power Supply Contact Monitoring Input
- Uncomplicated and Simple Installation
- Graphics Interface to local PC/BMS
- AD-NeT-PluS Network Module
- Class B and Class X(A) Fault Tolerant Versions
- Sector Base/Building Partition Programming
- Easy Configuration via PC-NeT

Listings and Approvals

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

Wiring Diagram



Specification

Operating Voltage	24VDC
Operating Current (AX-NET4 & 7) AX-BMS (Class B network) AX-BMS/ST7 (Class X(A) network)	 100 mA 100mA
Environment	Indoor, Dry
Operating Temperature	32-120ºF (0-48ºC)
Humidity	10-95% (non-condensing)
Enclosure Dimensions Knockouts	 8 3/8“ H x 11 3/4“ W x 1 5/8” D 4 top, 4 bottom rear
Weight (PCB & enclosure)	4.5 lb
Wiring	Twisted pair 18 - 20 AWG minimum. Recommended Twisted Shielded (Belden 8760, 8762)
Serial Interface	Isolated RS-232 w/Adjustable Baud Rate
Fault Input	Remote Power Supply Monitoring Input
Indications	Microprocessor Heartbeat. Network Transmit/Receive

Order Codes and Options

AX-BMS*	BMS/Graphics Interface Class B w/enclosure
AX-BMS/ST7*	BMS/Graphics Interface Class X(A) w/enclosure
AX-BMS-PCB	BMS/Graphics Interface PCB Class B
AX-BMS-PCB/ST7	BMS/Graphics Interface PCB Class X(A)

*For gray enclosure, add the suffix **-G** to the part number.

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