MxPro 4

Advanced Commander - obsolete

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 12vDC - 24vDC
- 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	45.0mm(H) x 126mm(W) x 82mm(D)
Power Requirements	1 x Terminal Socket for DC Power Input 12vDC - 24vDC +/- 10% (Not supplied)

Internal Battery	1 x Internal Lithium Battery (Size 1/2AA - 3.6v)
Operating Temperature	0 - 50 Deg C
Warranty	12 Month Warranty

Order Codes and Options

Mxp-642:	Commander - BacNet/ModBus (IP) Interface
Mxp-642C:	Commander - BacNet/ModBus (IP) Interface - Configured
23-PSU/250:	12V Regulated Power Supply Unit
UP-001:	RS232 9-Way to 3-Way cable
Mxp-510-Bx:	Standard Network BMS Interface Boxed
Mxp-510-Bx/FT:	Fault-Tolerant Network BMS Interface Boxed

Compatibility

The Advanced Commander is compatible with all MxPro5 control equipment, but requires the Mxp-510-Bx (BMS/Graphical Interface) to be installed on the Ad-Net network for connectivity to the Commander.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
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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.

MxPro 4

BMS / Graphics Interface - obsolete

The BMS / Graphics Interface interface allows BMS systems and graphical PCs to be integrated with the MxPro 4 series of fire control panels and remote terminals.

The interface is an integral part of the Ad-Net network permitting the handling of all network traffic and event prioritisation, via a PC, using a simple RS232 connection.

Multiple interfaces can be connected to the network catering for sites requiring control from a number of Graphical PC's.

Features

- Sector based programming
- Each BMS interface is individually programmable with the available dynamic cause-and-effect rules.
- Standard & FT Network versions
- Easily configured via PC-NET-003
- 3 year warranty as standard

Specification

Supply Voltage Input	18-28V DC
Operating Temperature	-5°C to 50°C
Relative Humidity	95% non-condensing (maximum)
PCB H x W x D mm	88 x 242 x 18
PCB Weight	75 grams
Indications	On-board LED indicators for heartbeat, network transmit/receive and RS232 transmit/receive
Supply Current	Standard 48mA (/FT 86mA) at 24v DC
Serial Interface	Isolated RS232 interface for BMS/PC
Fault Input	Monitored volt free clean contact
Enclosure H x W x D mm	218 X 300 X 45
Weight	2 Kg

Order Codes and Options

Mxp-510-BX :	Standard Network BMS Interface Boxed
Mxp-510-BX/FT :	Fault Tolerant Network BMS Interface Boxed
Mxp-510 :	Standard Network BMS Interface (Card only)
Mxp-510/FT:	Fault Tolerant network BMS interface (Card only)

Compatibility

Provides connection to various 3rd party graphics systems.

Can be used with any Ad-NeT or Ad-NeT+ network series control panels.

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MxPro 4

Smart Watch Module - obsolete

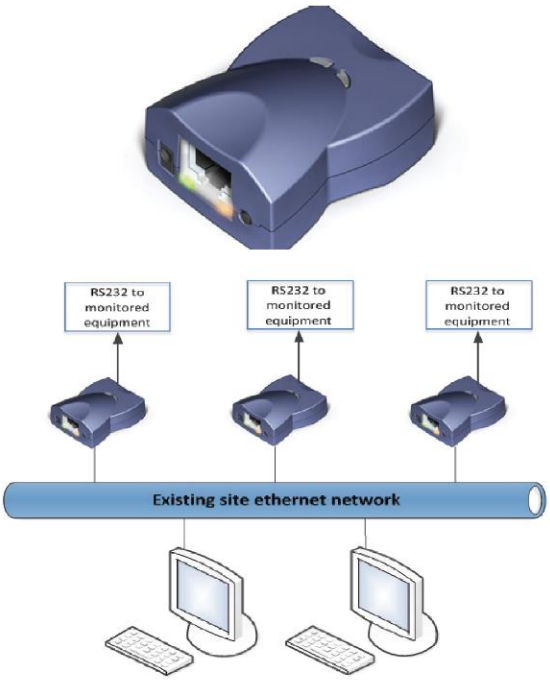
The Smart Watch Module (SWM) is a device used in conjunction with the PC-Net Graphical Software Suite offered by Advanced and is used for the control and diagnostics of remote site applications.

The Smart Watch Module (SWM) uses Static TCP/IP addressing over Local Area Network (LAN) or Wide Area Network (WAN) applications limiting the need for additional cabling and allowing remote sites to be monitored over a network from a centrally located Graphical Software Suite.

The Smart Watch Modules (SWM) clever use of TCP/IP technology provides the user with an ultimate level of control for all their Fire products worldwide.

The SWM is supplied in two variations, one for remote control and diagnostics of Addressable System Installations and the other for Conventional.

Please see parts list below for ordering purposes.



Features

- Small and Compact
- Remote Network Control & Diagnostics
- Power
- TCP/IP Communication via Static IP
- Direct connectivity to BMS/Graphical Interface via RS232
- Connect up to 255 Remote Sites
- Supports up to 15 remote panels per site
- Configured using Graphical Software

Specification

Processor	Intel Pentium 4 Processor, 1.8 GHz or higher (32 bit and 64 bit OS supported)
Recommended Operating Systems	Windows XP Professional SP3 / Windows 7 Pro
Memory	Memory 512 MB RAM (Minimum Recommended)
Disk Space	40Gb Hard Drive (Minimum Recommended)
Graphics	XGA Graphics Accelerator supporting a minimum 1024 x 768 resolution
Sound Card	Windows compatible sound card & speakers / On-board sounder required for event notification
Monitor	Minimum 17” and support a screen resolution of 1024 x 768
Parallel Port	Required if using a parallel port software dongle – Confirm at time order is placed for software

USB Port	Required if using a USB port software dongle – Confirm at time order is placed for software
Printer	Optional
Serial Port	1 x Serial port for communications with Graphics Interface. (Additional serial ports may be necessary if connectivity to other services are required)
CD ROM Drive	Required for software installation
Backup Device	Recommended
Warranty	A PC with on-site warranty support is recommended
Options	**Touch-Screen Monitor (Minimum Specification suggested):** 17” supporting a screen resolution of at least 1024 x 768 Any resolution above 1024 x 768 can be supported however, Graphical bitmaps must be created in the appropriate format for the resolution selected. If monitors are to be used in a Portrait manner a horizontal screen resolution of at least 950 pixels must be available. 1 x Additional Serial / USB port for communications with Touch Screen Controller.

Order Codes and Options

Pc-Net-005-SWM :	Smart Watch Module (1 - 3 Panels)
Pc-Net-005-SWM6 :	Smart Watch Module (4 - 6 Panels)
Pc-Net-005-SWM15 :	Smart Watch Module (7 - 15 Panels)
Pc-Net-005-SWM4R:	Smart Watch Module - 4 Inputs

Compatibility

The Pc-Net Graphical Control Software is compatible with all MxPro 4 & MxPro 5 control equipment.

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