

I/A SERIES[®] MICRONET VIEW

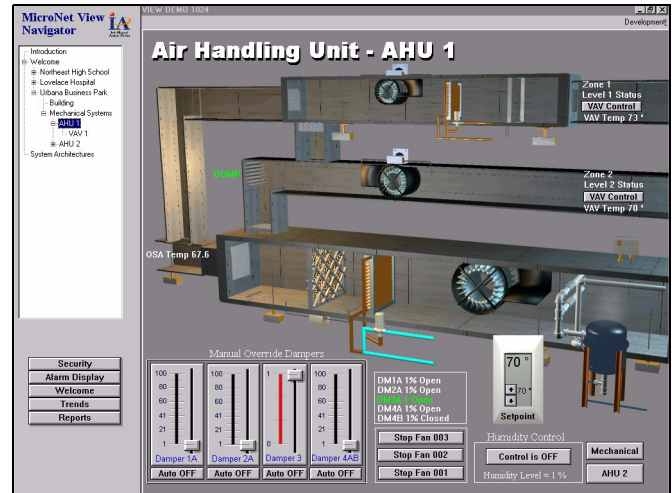
Order Type:

MN-VWxxx-UK	MicroNet View
MN-VWPxxx-UK	MicroNet View Pro
MN-VWIO-NCP	MicroNet NCP/ARCNET I/O-server
MN-VWIO-SNP	MicroNet Satchnet I/O-server

The I/A Series MicroNet View is a software platform that provides an intuitive, graphical interface for network-level supervisory and control functions. MicroNet View works on any of the I/A Series MicroNet network options, LONWORKS FTT-10 Free Topology, NCP (Native Communications Protocol), and ARCNET, and works with the I/A Series MicroNet family of controllers, sensors, and displays. MicroNet View supports also Satchnet range products such as IAC controllers. It operates on a PC running Microsoft[®] Windows[®] NT[®]. MicroNet View uses an array of graphic tools and technologies (Active X controls, Microsoft DDE, and embedded objects) to create a dynamic view of network operations, placing real-time data on active graphic displays. MicroNet View allows an on-site user to schedule control system objects and overrides, sample and store real-time data, and set and route notification of alarms. MicroNet View Pro allows the user to generate and print reports culled from different databases, and construct and test custom-built monitoring screens.

FEATURES

- Real-time data on active, multi-media graphical displays.
- Provides intuitive operation via customised control panels.
- Support for DDE, and fast DDE standards.
- Connects to all MicroNet *Bus du jour*[™], and to third party LonMark devices.
- Connects to Satchnet products via Satchnet I/O-server.
- Supports the use of bitmaps, photos, and other graphic formats when designing the network reporting display.
- Comprehensive Logging and Alarm management utilities.



MicroNet View Pro

- Allows graphics generation and development of the application.
- Powerful scripting editor for creating and performing system tasks.
- Use of ActiveX Controls and Wizards makes the system configuration easy.
- Allows monitoring and editing of system variables.



DS 10.000 - MN-SX Sensors
 DS 10.050 - Touch Screen Display
 DS 10.100 - MN 100 and MN 200 Controllers
 DS 10.101 - MN 300 Controllers
 DS 10.102 - MN 440 Controllers
 DS 10.103 - MN 500 Controllers
 DS 10.104 - MN 620 Controllers
 DS 10.120 - VAV Controllers
 DS 10.121 - VAV Controllers
 DS 10.210 - MicroNet Manager Interface

SPECIFICATION

Order Type	Description
MN-VW100-UK	MicroNet View, 100 Tag English Version
MN-VWP100-UK	MicroNet View Pro (Development), 100 Tag English Version
MN-VW500-UK	MicroNet View, 500 Tag English Version
MN-VWP500-UK	MicroNet View Pro (Development), 500 Tag English Version
MN-VW2K-UK	MicroNet View 2,000 Tag English Version
MN-VWP2K-UK	MicroNet View Pro (Development) 2,000 Tag English Version
MN-VW10K-UK	MicroNet View 10,000 Tag English Version
MN-VWP10K-UK	MicroNet View Pro (Development) 10,000 Tag English Version
MN-VW60K-UK	MicroNet View 60,000 Tag English Version
MN-VWP60K-UK	MicroNet View Pro (Development) 60,000 Tag English Version
MN-VWIO-NCP	MicroNet View, NCP/ARCNET I/O-server
MN-VWIO-SNP	MicroNet View, Satchnet I/O-server

HARDWARE SPECIFICATIONS

Personal Computer Configuration.

Type:	IBM-compatible desktop.
Microprocessor:	Pentium Pro 180 MHz (minimum).
RAM:	64 MB (minimum).
Disk Drives:	850 MB hard drive, 4X CD-ROM drive.
LCD Monitor:	SVGA/1024 x 768 high colour display.
Video Card:	1024 X 768 Video Card (recommended).
Serial (DTE) Port:	9-pin male connector.
Parallel:	25-pin female connector.

SOFTWARE SPECIFICATIONS

Operating System Microsoft Windows NT 4.0 Service Pack 3 or later.

MicroNet View

Time Scheduling User can easily change the MicroNet or IAC controllers time schedule entries using a graphical ActiveX component.

Holiday Scheduling Holiday Schedule ActiveX makes it easy for the user to modify the holiday schedule objects on the MicroNet or IAC controllers.

Compensation Curve Adjustment Look-up-table ActiveX makes it easy for the user to modify the look-up-table object entries on the MicroNet or IAC controllers.

Alarm Handler User may define two types of alarms, analogue and digital point alarms which are sent up from the MicroNet Manager Interface and MicroNet Controllers. Alarm points can be allocated to different alarm groups, and different priorities can be assigned to them. The alarms points can be in any of the following states; alarm not acknowledged; alarm acknowledged; alarm cleared and acknowledged; alarm cleared and not acknowledged.

Logging Management Direct, individual real-time data sampling and gathering of data resident in MicroNet Manager Interface is supported. Logging viewing will be available through a logging viewing module. Automatic retrieval and storage of analog values and digital states from I/A Series MicroNet programmable controllers from local and remote sites will be supported.

Control Performance Optimisation Control Module and Compensator Module ActiveX components allow easy optimisation of the control performance.

MicroNet View Pro

Screen Design Monitoring screens may be designed for maximum effectiveness using a variety of embedded third-party graphics and drawings. Screens can be tested before use with live data.

Object-Oriented Graphics Easy-to-configure applications mean faster development times. Objects and groups of objects can be moved, sized, and animated more quickly and simply than bit-mapped graphics. Powerful object-oriented design tools makes it easy to draw, arrange, align, layer, space, rotate, invert, duplicate, cut, copy, paste, erase and more. These tools are available in a unique, configurable Toolbox or from standard pull-down menus.

Script Editor MicroNet View provides extensive scripting capability for rapid prototyping, background calculations, and simulation. Condition Scripts include on True, On False, While True, and While False. Button Scripts include On Button Down, While Button Down, and On Button Up. Window Scripts can be invoked when Opened, Closed, or While Open. Data Change Scripts activate when data changes value, upon operator actions such as selecting objects, or as the results of events such as alarm conditions. Scripting is easy. All functions are simply buttons that are adjacent to the script window. All script functions and data variables are chosen by point-and-click. The script editor itself has Find/Replace and Convert, and it offers up to 256 character expressions for Condition Scripts.

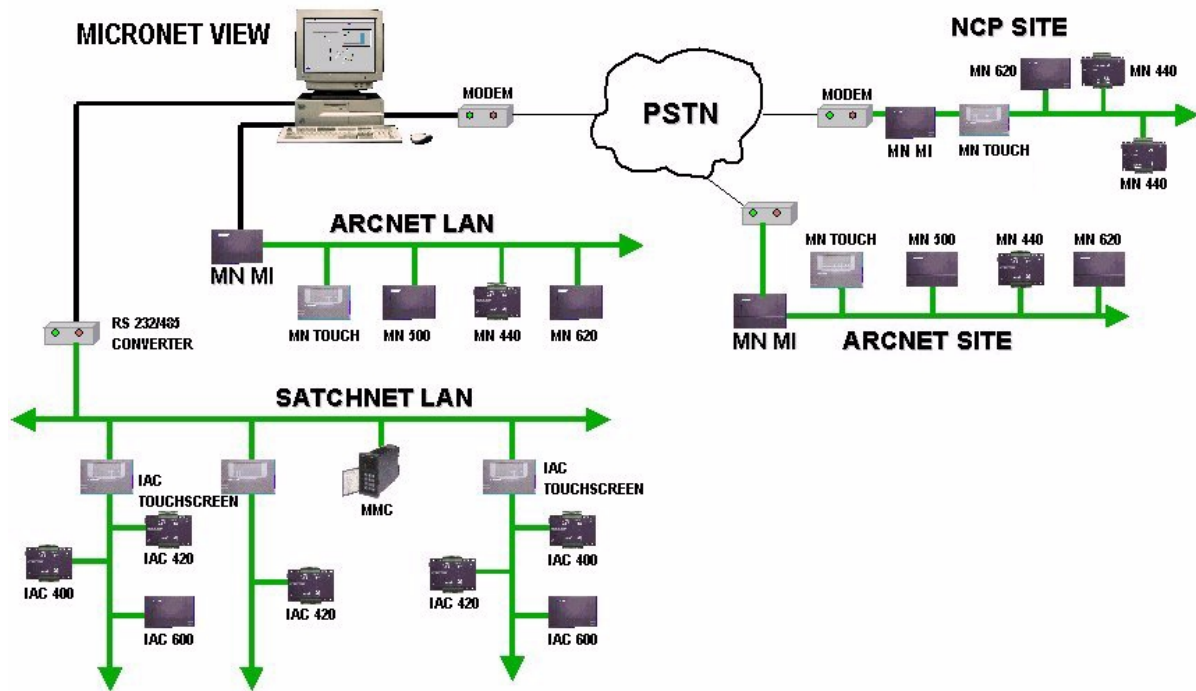
Script Functions Script functions support logical and mathematical expressions. Users can display single precision floating point numbers, while internal calculations use double precision floating point numbers. Functions such as string manipulation, math functions, file I/O, system resources, and hexadecimal and scientific numerical representations are available.

Wizards and ActiveX MicroNet View Pro includes library of Wizards and ActiveX components, which are pre-configured complex objects that users can modify and duplicate freely. Frequently used Wizards and ActiveXs can be added to the Toolbox for even easier access during the application development. ActiveX component library includes support for the MicroNet controller Look-up-table, Time Schedule, Holiday Schedule, Optimiser and Controller objects.

Animation Links Animation links may be combined to provide complex size, colour, movement, and/or position changes. Animation links include: discrete, analogue, and string touch inputs; horizontal and vertical sliders; discrete and action push buttons; show and hide window push buttons; line, fill, and text colour links for discrete and analogue values and alarms; object height and width links; vertical and horizontal position links; vertical and horizontal percent fill links; visibility links; discrete, analogue and string value output links, rotation links, and blink links.

TYPICAL SYSTEM DIAGRAM

I/A SERIES MICRONET



APPLICATIONS

MicroNet View software runs on NT-compatible desktop personal computers. It provides amongst other features these network management functions:

- Network time scheduling
- Network holiday scheduling
- Alarm management
- Data logging and reporting

CONNECTIVITY

MicroNet View connects to an NCP or ARCNET communications network through the MicroNet Manager Interface via an RS-232 port. MicroNet View will support multiple directly connected MicroNet Manager Interfaces. Additionally, MicroNet View can function as a central station on a Wide Area Network (WAN) supporting a modem pool and switched connections to additional MicroNet Manager Interfaces. MicroNet View connects to the LonWorks communications network through the LNS I/O server; it can also be connected to Satchnet products such as IAC and MMC controllers.

The connection from the field equipment to the MicroNet View front-end is accomplished by installing the appropriate I/O-server: NCP/ARCNET I/O-server for MicroNet NCP and ARCNET controllers, LNS I/O-server for LonWorks and LonMark products and SNP I/O-server for the Satchnet products.

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