

versatile Building Management System graphics interface



### Overview

EC-Net<sup>AX</sup> is a suite of Niagara<sup>AX</sup>-based products designed to integrate diverse smart devices into a unified, Internet-enabled, web-based system. EC-Net<sup>AX</sup> solutions integrate LonWorks®, BACnet®, oBIX, Internet and web services protocols in a software platform that can be used in embedded controllers or server applications. EC-Net<sup>AX</sup> includes integrated network management tools to support the design, configuration, installation, and maintenance of interoperable networks.

The EC-Net<sup>AX</sup> Supervisor is a flexible network server used in applications where multiple Niagara<sup>AX</sup>-based EC-BOS<sup>AX</sup> stations are networked together. The EC-Net<sup>AX</sup> Supervisor serves real time graphical information displays to standard web-browser clients and also provides server-level functions such as centralized data logging, archiving, alarming, real time graphical displays, master scheduling, and integration with enterprise software applications. Optional SQL and Oracle drivers enable seamless data transfer to these industry standard databases. In addition, the EC-Net<sup>AX</sup> Supervisor provides a comprehensive, graphical engineering toolset for application development.

The EC-Net<sup>AX</sup> Supervisor supports 64-bit Windows platforms, allowing more resources to be available for its JAVA-based environment than would otherwise be possible in a 32-bit platform. Up to 500 EC-BOS<sup>AX</sup> stations can be attached to a 64-bit EC-Net<sup>AX</sup> Supervisor.

### Applications

- Integrate a variety of devices and protocols into a common distributed automation system.
- Create a network environment with comprehensive database management, alarm management and messaging services.

### Features & Benefits

- Connects to almost any embedded device, regardless of manufacturer or communication protocol, as a result the common environment created by Niagara<sup>AX</sup>'s open Java-based Framework.
- Includes a comprehensive, graphical toolset that enables users to build rich applications in a drag-and-drop environment. By wiring components together, developers build control strategies, alarming and scheduling applications as well as browser-based displays and reports.
- Reduces development time by merging automation, IT and Internet technologies in a single solution. With an EC-BOS<sup>AX</sup>, advanced web-services applications, such as TCP/IP, HTTP, XML, SOAP, and oBIX, can be implemented so that you can read data, send commands, and respond to alarms in real-time from anywhere using any standard web browser.
- Integrates geographically dispersed, multi-vendor devices into an interoperable application to save time and money.

### Product Warranty & Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards and carry a two-year warranty. Distech Controls is an ISO 9001 registered company.

## EC-Net<sup>AX</sup> Supervisor Versions and Drivers

EC-Net <sup>AX</sup> Supervisor	Basic EC-Net <sup>AX</sup> Supervisor; all EC-BOS <sup>AX</sup> must have EC-NC-SP-XXX for connectivity to EC-Net <sup>AX</sup> Supervisor for Windows XP Professional, Vista Pro, Windows Server 2003, or Windows Server 2008; includes one copy of EC-Net <sup>AX</sup> Pro.
EC-Net <sup>AX</sup> Supervisor-SBS	Small Building System version of EC-Net <sup>AX</sup> Supervisor with a 10 EC-BOS <sup>AX</sup> station limit; all EC-BOS <sup>AX</sup> stations must have EC-NC-SP-XXX for connectivity to EC-Net <sup>AX</sup> Supervisor-SBS; includes one copy of EC-Net <sup>AX</sup> Pro.
EC-S <sup>AX</sup> -SBS-EXUP	Upgrade from EC-Net <sup>AX</sup> Supervisor-SBS to a full EC-Net <sup>AX</sup> Supervisor
EC-WP <sup>AX</sup>	Additional copy of EC-Net <sup>AX</sup> Pro

### Optional Database Drivers (for EC-Net<sup>AX</sup> Supervisor only)

EC-S-DB-SQL	Microsoft SQL Database Driver
EC-S-DB-MYSQL	MYSQL Database Driver
EC-S-DB-DB2	IBM DB2 Database Driver
EC-S-DB-ORCL	Oracle Database Driver

### Open System Drivers (for EC-Net<sup>AX</sup> Supervisor only)

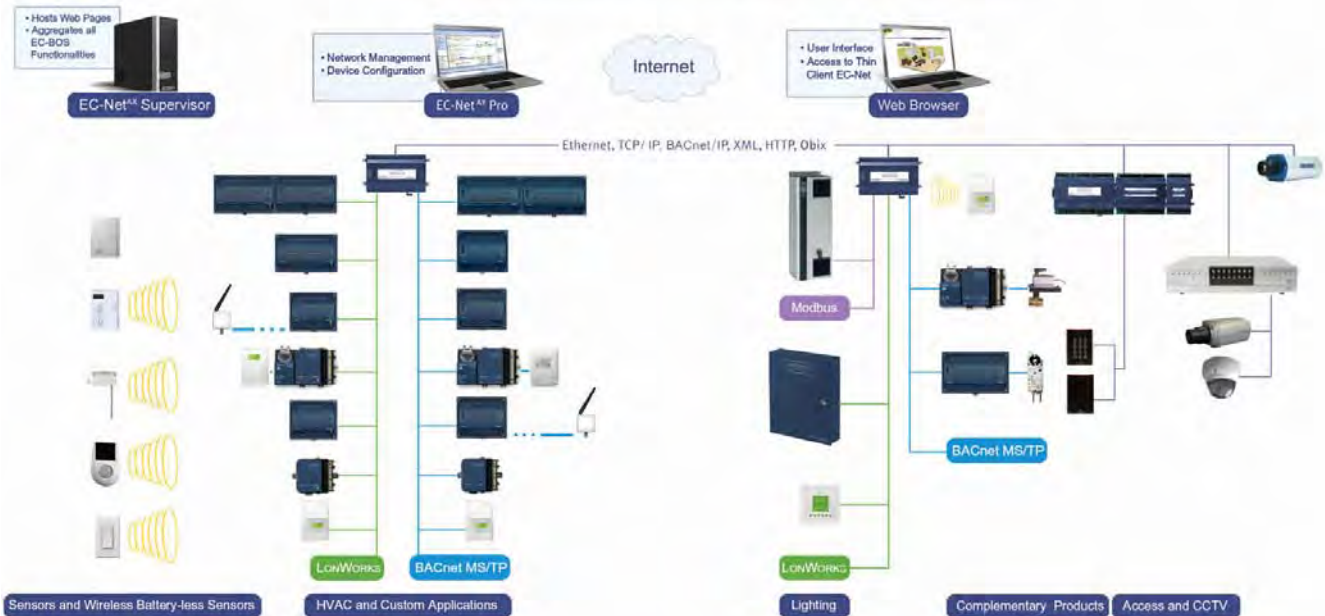
EC-DR-S-BAC <sup>AX</sup>	EC-Net <sup>AX</sup> Supervisor BACnet driver. Includes license for 500 BACnet points
EC-DR-S-BAC-500	Additional 500 point block for the EC-Net <sup>AX</sup> Supervisor BACnet driver
EC-DR-S-OPC <sup>AX</sup>	EC-Net <sup>AX</sup> Supervisor OPC driver. Includes license for 500 OPC points
EC-DR-S-OPCC-500	Additional 500 point block for the EC-Net <sup>AX</sup> Supervisor OPC driver
EC-DR-S-MDB <sup>AX</sup>	EC-Net <sup>AX</sup> Supervisor Modbus TCP driver. Includes license for 500 Modbus TCP points
EC-DR-S-MDB-500	Additional 500 point block for the EC-Net <sup>AX</sup> Supervisor Modbus TCP driver
EC-DR-S-SNMP <sup>AX</sup>	EC-Net <sup>AX</sup> Supervisor SNMP driver. Includes license for 500 SNMP points
EC-DR-S-SNMP-500	Additional 500 point block for the EC-Net <sup>AX</sup> Supervisor SNMP driver
EC-DR-S-OBIX <sup>AX</sup>	EC-Net <sup>AX</sup> Supervisor oBIX driver for non-Niagara point data. Includes 500 points.
EC-DR-S-OBIX-500	Additional 500 point block for the EC-Net <sup>AX</sup> Supervisor oBIX driver

## Platform Requirements

Processor	Intel Pentium IV, 2 GHz or higher, Core 2 Duo also acceptable.
Operating System	Microsoft Windows XP Professional, Windows 2003 or 2008 Server (if Microsoft IIS is disabled), Vista Ultimate Mozilla Firefox or Internet Explorer <sup>®</sup> 5.0 or later. For the 64 bit EC-Net <sup>AX</sup> Supervisor, the required OS is Windows XP Professional-64 bit.
Memory	1 GB minimum, 2GB or more recommended for large systems, 8 GB or more recommended for the Windows 64 bit version.
Hard Drive	10 GB minimum, 25 GB for applications that need more archiving capacity.
Display	Video card and monitor capable of displaying 1024 x 768 pixel resolution or greater.
Network Support	Ethernet adapter (10/100MB with RJ-45 connector).
Network Connection	Full time high-speed ISP connection recommended for remote site access (i.e. T1, ADSL, cable modem); 56KB modem minimum.

## Typical Architecture

Truly Open Solutions Provide Flexibility with Interoperability Now and in the Future.



Specifications subject to change without notice.

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EC-Net<sup>AX</sup> Supervisor

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