

Overview

EC-Net^{AX} is a suite of Niagara^{AX}-based products designed to integrate diverse smart devices into a unified, Internet-enabled, web-based system. EC-Net^{AX} 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^{AX} includes integrated network management tools to support the design, configuration, installation, and maintenance of interoperable networks.

The EC-Net^{AX} Supervisor is a flexible network server used in applications where multiple Niagara^{AX}-based EC-BOS^{AX} controllers are networked together (Soft EC-BOS^{AX}, EC-BOS-2^{AX} or EC-BOS-6^{AX}). EC-Net^{AX} 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, system-wide database management, and integration with enterprise software applications. In addition, the EC-Net^{AX} Supervisor provides a comprehensive, graphical engineering toolset for application development.

oBIX is now included with the EC-Net^{AX} Supervisor as a means of integrating Niagara^{AX}-based Release 2 EC-BOS^{AX} controllers. With release 2.3.522 or greater, the oBIX driver can be added to expose all data points, schedules, trends and alarms to an EC-Net^{AX} system. This oBIX driver is both a client and a server.

Please note that EC-Net^{AX} Supervisor only supports Win32-based (Windows 32 bit) platforms.

Applications

- Integrates a variety of devices and protocols into a common distributed automation system.
- Creates 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, thanks to the common environment created by Niagara^{AX}'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. An EC-BOS^{AX} controller implements advanced web-services applications, such as TCP/IP, HTTP, XML, SOAP, and oBIX, 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. Distech Controls' products provide both the contractor and the end user with the flexibility of using "best-of-breed" products in system design.

EC-Net^{AX} Supervisor Versions and Drivers

EC-Net-Supervisor ^{AX}	EC-Net ^{AX} Supervisor for Windows OS; includes Niagara Historical Database and EC-Net ^{AX} Pro; includes oBIX client/server driver
EC-S ^{AX} -SBS	EC-Net ^{AX} Supervisor, 10 EC-BOS ^{AX} limit; includes Niagara Historical Database and EC-Net ^{AX} Pro; includes oBIX client/server driver
EC-S ^{AX} -SBS-EXUP	Upgrade from EC-S ^{AX} -SBS to a full EC-Net ^{AX} Supervisor (EC-Net-Supervisor ^{AX})
EC-WP ^{AX}	Additional copy of EC-Net ^{AX} Pro
EC-ALM-CONSOLE ^{AX}	Alarm Console ^{AX} client; supports both EC-Net ^{AX} Supervisor and Niagara ^{AX} device alarm monitoring (separate server is not required)

Optional Database Drivers (available for EC-Net-Supervisor^{AX} 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
EC-S-DB-CSV	Allows Microsoft Excel and CSV data to be imported into EC-Net ^{AX} Supervisor

Open System Drivers

EC-DR-S-BAC ^{AX}	EC-Net ^{AX} Supervisor BACnet driver with server; includes a license for 500 BACnet points
EC-DR-S-BAC-500	Additional 500-point block for the EC-Net ^{AX} Supervisor BACnet driver
EC-DR-S-OPC ^{AX}	EC-Net ^{AX} Supervisor OPC driver; includes a license for 500 OPC points
EC-DR-S-OPC-500	Additional 500-point block for the EC-Net ^{AX} Supervisor OPC driver
EC-DR-S-MDB ^{AX}	EC-Net ^{AX} Supervisor Modbus TCP driver; includes a license for 500 Modbus TCP points
EC-DR-S-MDB-500	Additional 500-point block for the EC-Net ^{AX} Supervisor Modbus TCP driver
EC-DR-S-SNMP ^{AX}	EC-Net ^{AX} Supervisor SNMP driver; includes a license for 500 SNMP points
EC-DR-S-SNMP-500	Additional 500-point block for the EC-Net ^{AX} Supervisor SNMP driver
EC-DR-S-OBIX ^{AX}	EC-Net ^{AX} Supervisor oBIX driver for connecting to devices not powered by Niagara ^{AX} ; includes a license for 500 oBIX points
EC-DR-S-OBIX-500	Additional 500-point block for the EC-Net ^{AX} Supervisor oBIX driver

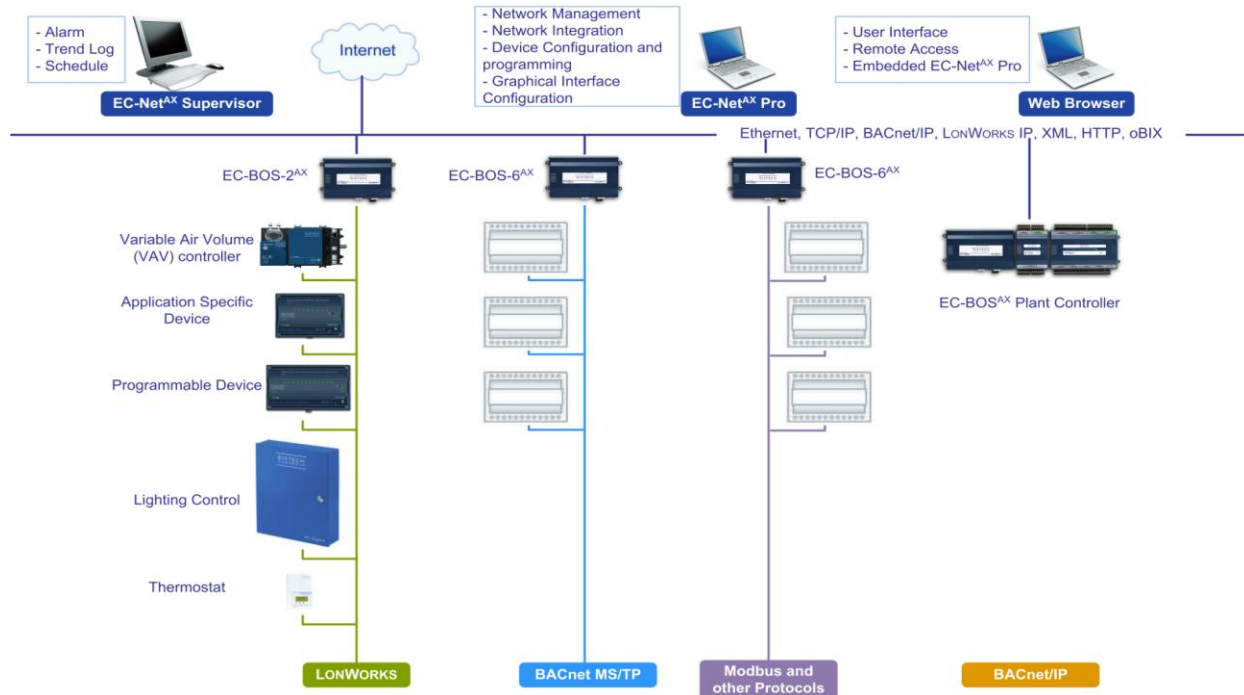
For more information on these ordering options, please contact sales@distech-controls.eu.

Platform Requirements

Processor:	Intel Pentium IV, 2 GHz or higher
Operating System: ¹	Microsoft Windows TM XP Professional, Windows 2003 Server (if Microsoft IIS is disabled), Vista Ultimate Mozilla Firefox TM or Internet Explorer TM 5.0 or later
Memory:	1 GB minimum, 2GB or more is recommended for large systems
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; GPRS also supported

¹: EC-Net^{AX} Supervisor works only with Win32 (Windows 32-bit) platforms.

Typical Architecture



Specifications subject to change without notice.

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EC-Net^{AX} Supervisor

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