Overview

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

The EC-NetAX Supervisor is a flexible network server used in applications where multiple NiagaraAX-based EC-BOSAX controllers are networked together (Soft EC-BOSAX, EC-BOS-2AX or EC-BOS-6AX). EC-NetAX 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-NetAX Supervisor provides a comprehensive, graphical engineering toolset for application development.

oBIX is now included with the EC-NetAX Supervisor as a means of integrating NiagaraAX-based Release 2 EC-BOSAX 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-NetAX system. This oBIX driver is both a client and a server.

Please note that EC-NetAX 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 NiagaraAX’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-BOSAX 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.

www.distech-controls.eu
**Typical Architecture**

- **EC-NetAX Supervisor**: Access to the Niagara system through the Internet.
- **EC-NetAX Pro**: Additional network management features.
- **User Interface**: Graphical Interface Configuration.
- **BACnet MS/TP**: Modbus and other Protocols.
- **Web Browser**: Ethernet, TCP/IP, BACnet/IP, LowWorks IP, XML, HTTP, oBIX.
- **EC-NetAX Plant Controller**: BACnet/IP.
- **Variable Air Volume (VAV) controller**.
- **Application Specific Device**.
- **Programmable Device**.
- **Lighting Control**.
- **Thermostat**.
- **Internet**.
- **- Alarm**.
- **- Trend Log**.
- **- Schedule**.

**Specifications subject to change without notice.**

Distech Controls and the Distech Controls logo are trademarks of Distech Controls, Inc.; Niagara® is a trademark of Tridium, Inc.; all other trademarks are property of their respective owners. Products or features contained herein may be covered by one or more U.S. or foreign patents. © 2009 Distech Controls.