

Overview

Now you can take advantage of the real-time control, dynamic graphics, and multi-protocol integration capabilities of the Niagara^{AX} Framework on the hardware of your choice. The Soft EC-BOS^{AX} makes it easy to address unique application needs such as rack mounting, extended temperature ranges, industrial packaging Windows environment. The Soft EC-BOS^{AX} provides all of the capabilities of a programmable controller, multi-protocol adapter, network manager, web server (with optional Web User Interface), data logger and alarm system in a single software solution.

You can run the Soft EC-BOS^{AX} on most Microsoft Vista Ultimate, XP Professional®, Windows Server 2003® and other Windows® compatible computers. The Soft EC-BOS^{AX} communicates with external devices utilizing Ethernet-based protocols, and currently supports the industry's most common standard protocols: OPC®, BACnet™ IP, Modbus™ TCP, and SNMP. The client BACnet IP driver is included with the Soft EC-BOS^{AX} license, other drivers are sold separately.

The Soft EC-BOS^{AX} is available in a variety of capacities priced to meet a wide range of application needs. Capacity is measured based on AX resource units used by a Niagara station which is an indicator of the amount of points, devices, logs and graphics that you utilize when building an application. Two Soft EC-BOS^{AX} configurations are available as described later in this data sheet.

Applications

- Supports the most widely used system protocols over Ethernet: OPC, BACnet IP, Modbus TCP, SNMP (BACnet client included; others sold separately).
- Use EC-Net Supervisor^{AX} to aggregate multiple Soft EC-BOS^{AX} into a unified system with centralized database storage, data logging and archiving, and alarm reporting.

Features & Benefits

- Meet the needs of special applications – choose from the wide range of hardware platforms that support Windows Vista Ultimate, Windows XP Professional and Windows Server 2003.
- Supports optional Web User Interface – Serves dynamic, animated graphic displays directly to a standard web browser. No need for additional hardware or web servers.
- No need to install and manage “thick client” software applications to give your end users access to the critical real time information that they need. Access your system from anywhere with a standard web browser.
- A fully integrated station of a Niagara distributed-architecture system. Soft EC-BOS^{AX} nodes communicate with other Soft EC-BOS^{AX}, EC-Net embedded EC-BOS^{AX} and EC-Net Supervisor^{AX} on a peer-to-peer basis when configured with the optional Enterprise Connectivity Service Pack (EC-EC-SP-SJ).
- BTL listed when BACnet driver is used. Complies with B-BC (BACnet Building Controller)

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.

Soft EC-BOS^{AX} Versions and Drivers

EC-SJ-1M-AX	Soft EC-BOS ^{AX} software package with 10,000 resource count. Package includes a CD and installation instructions. Also includes the BACnet client driver.
EC-SJ-3M-AX	Soft EC-BOS ^{AX} software package with 30,000 resource count. Package includes a CD and installation instructions. Also includes the BACnet client driver.
EC-SJ-2M-U-AX	Upgrade EC-SJ-1M-AX to 30,000 resource count
EC-EC-SP-SJ	Enterprise Connectivity Pack. Enables data sharing between the Soft EC-BOS ^{AX} and any other EC-BOS ^{AX} or EC-Net Supervisor ^{AX} . Also enables BACnet to serve the Soft EC-BOS ^{AX} BACnet point data to other BACnet devices, where required.
EC-UI-SP-SJ	Web User Interface option.

Note: Resource and performance capabilities are dependent upon the hardware platform. The above models allow these capacities by license and are not a guarantee of performance on your platform.

Compatible Drivers

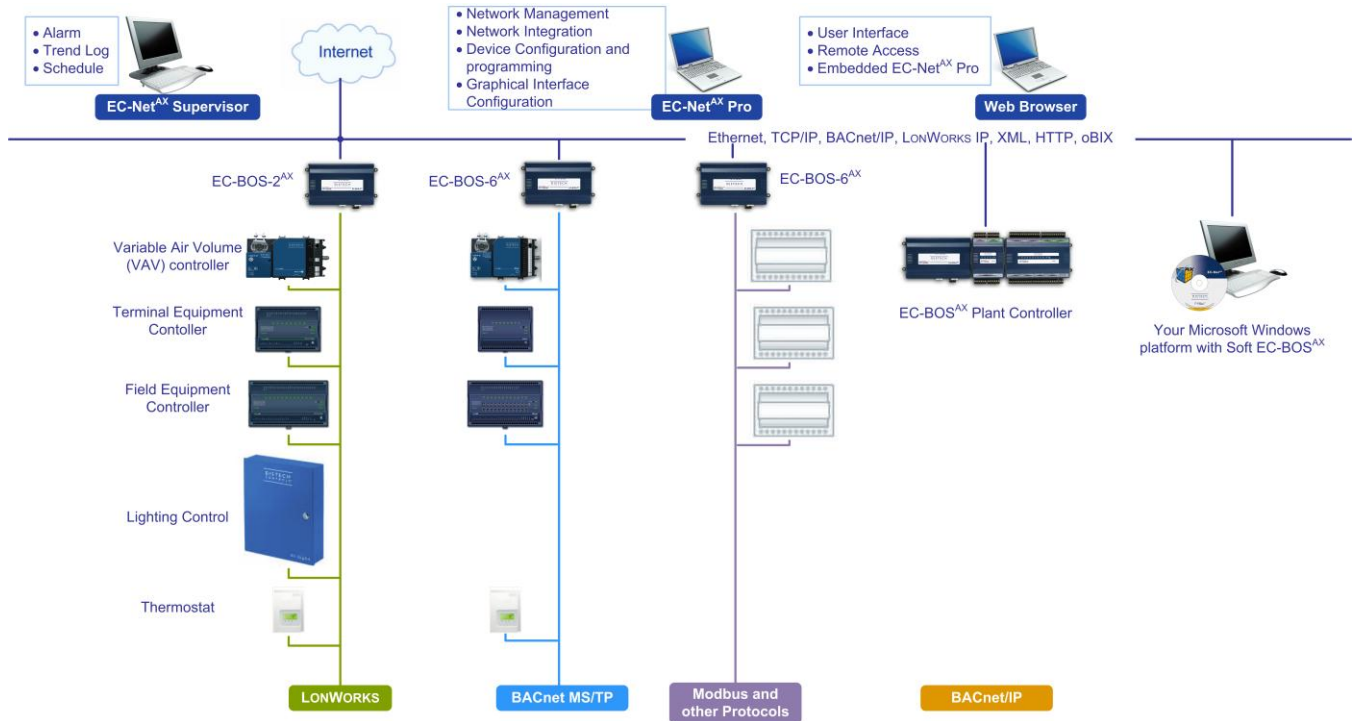
EC-DR-LON-AX	LonWorks driver
EC-DR-MSTP-AX	Driver for MS/TP BACnet communications over RS-232 or RS-485 port.
EC-DR-BACnet-AX	BACnet IP Client over Ethernet.
EC-DR-MDB-TCP-AX	Master driver for Modbus TCP (25 node limit recommended).
EC-DR-MDB-TS-AX	Slave driver for Modbus TCP.
EC-DR-OPC-CL-AX	OPC client driver. Compliant servers for Data Access ONLY. OPC server NOT included. The OPC Server (3 rd party) must be on a separate PC.
EC-DR-SNMP-AX	Driver for importing SNMP compliant devices. Management Information Base (MIB) 2.0 compliant. Also exports EC-BOS ^{AX} alarms to SNMP managers.

Platform Requirements

Processor:	Intel Pentium™ IV, 2 GHz or higher or AMD equivalent
Operating System:	Microsoft 32 or 64 bit versions: Windows XP Professional, Windows 2003 Server, Windows Vista Ultimate
Web Browser:	Mozilla Firefox™ or Internet Explorer™ 5.0 or later
Memory:	512MB or higher as recommended by operating system manufacturer
Hard Drive:	20 GB or greater
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)
CD-ROM	For software installation
Modem:	56KB minimum, full time high-speed ISP connection recommended for remote site access (i.e. T1, ADSL, cable modem)

NOTE: Platform must be dedicated to the Soft EC-BOS^{AX} application only.

Typical Architecture



The above architecture is shown as an example only.

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