



Overview

Distech Controls' EC-Net^{AX} Security is a comprehensive access control and security management solution, built on a truly open, IP based platform. Developed using the Niagara^{AX} Framework®, EC-Net^{AX} Security provides unparalleled interoperability not only within traditional security environments, but also extends seamlessly to create a unified, intelligent building by integrating with today's diverse facility systems including environmental controls, lighting, energy management, fire and video.

The core architecture of EC-Net^{AX} Security is proven and designed to solve the complexities of integrating disparate systems in real world scenarios.

EC-Net^{AX} Security provides scalability ranging from single door solutions to multi-building/multi-campus deployments. Entirely accessible from any standard web browser, the solution provides flexible anytime, anywhere access into the system, while liberating end users from dedicated client workstations in the traditional client /server model. EC-Net^{AX} Security is open- open architecture, open framework, open distribution and open protocol support.

By integrating today's diverse building systems such as environmental controls, security, lighting, energy, fire and video, the Niagara^{AX} Framework is creating better buildings—ones that are smarter, use less energy, are more efficient, have lower operating costs, are safer and contribute to a sustainable environment.

Applications

- Provide a comprehensive access control and security management solution.
- Integrate CCTV cameras and video recorders for added security.
- Integrate seamlessly with diverse building systems such as environmental controls, lighting, and energy management.
- 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^{AX}'s open Java-based Framework.
- Web based security application – easily managed via a standard browser anytime, anywhere.
- Reduces development time by merging automation, IT and Internet technologies in a single solution. With an EC-BOS^{AX}, 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.
- Centrally managed card holder and credential database.
- Integrated video solution with interfaces to many leading video manufacturers.
- Integrates geographically dispersed, multi-vendor devices into an interoperable application to save time and money.

Application Highlights

Enterprise Level Browser Based System

Distech Controls' EC-Net^{AX} Security solution was built from the ground up on web enabled technologies. Complete system functionality, system configuration and monitoring are available anytime, anywhere from any standard browser interface removing the PC requirements present in traditional client/server architectures.

Active Monitor

Comprehensive system-wide event viewer provides instant feedback on card access traffic, system administration changes and status updates on system arm/disarm. System activity is stored as historical data and can be retrieved through comprehensive built in reporting tools. Search using a standard list of pre-defined reports or generate custom reports using powerful ad-hoc reporting capabilities.

Powerful Integration Toolset

A comprehensive, integrated toolset is a fundamental part of the EC-Net^{AX} Security offering. The graphical toolset enables non-programmers (domain experts) to extend the capabilities of the standard product.

Using the toolset, integrators can integrate Building Automation, Energy Management, Lighting Control and a wide range of custom solutions tailored to their end user's needs — all while working in a powerful drag-and-drop, graphical programming environment.

Video and Graphics Support

Complete integrated facility command and control from a common user experience. Accessible through any standard web browser, with real-time information from many different systems presented through an intuitive, easy-to-use interface. Also integrates video with access control, building automation and energy management.

Extensive Access Zone Management

In addition to common access control functions, enterprise security includes comprehensive rule based access control through access zone management. The system provides one-click global lock down as well as supervisor rule enforcement, thereby restricting access to areas unless appropriate supervisory staff is present. The extensive occupancy counting functions allow access restrictions based on maximum and minimum number of occupants. Occupancy data can be used to automatically adjust building comfort controls by leveraging the extensive facility integration capabilities.

EC-Net^{AX} Security Supervisor Versions and Drivers

EC-Net^{AX} Security Supervisor EU

Base supervisor licensed for 8 Readers, 4 EC-BOS Security

Additional Reader Licenses

EC-SEC-R-8

Expands EC-Net^{AX} Security license by 8 Reader, 4 EC-BOS Security license

EC-SEC-R-32

Expands EC-Net^{AX} Security license by 32 Reader, unlimited EC-BOS license

EC-SEC-R-64

Expands EC-Net^{AX} Security license by 64 Reader, unlimited EC-BOS license

EC-SEC-R-256

Expands EC-Net^{AX} Security license by 256 Reader, unlimited EC-BOS license

EC-SEC-R-512

Expands EC-Net^{AX} Security license by 512 Reader, unlimited EC-BOS license

EC-SEC-R-1024

Expands EC-Net^{AX} Security license by 1024 Reader, unlimited EC-BOS license

Upgrades

EC-SEC-8R-4EC-U

Upgrade Existing EC-Net^{AX} Supervisor to EC-Net^{AX} Security Supervisor licensed for 8 Readers, 4 EC-BOS Security

Specifications

Maximum Number of	EC-Net ^{AX} Security Supervisor	EC-BOS-6 ^{AX} Security
Personnel	1 000 000	5000
Access Rights ¹	10 000	16
Schedules	25 000	100
Access Zones	25 000	10
Intrusion Zones	N/A	5
Intrusion Keypads	N/A	2
On-line Historical Records	25 000 000	10 000
Simultaneous System Users	25	5
Area Controllers	500	N/A

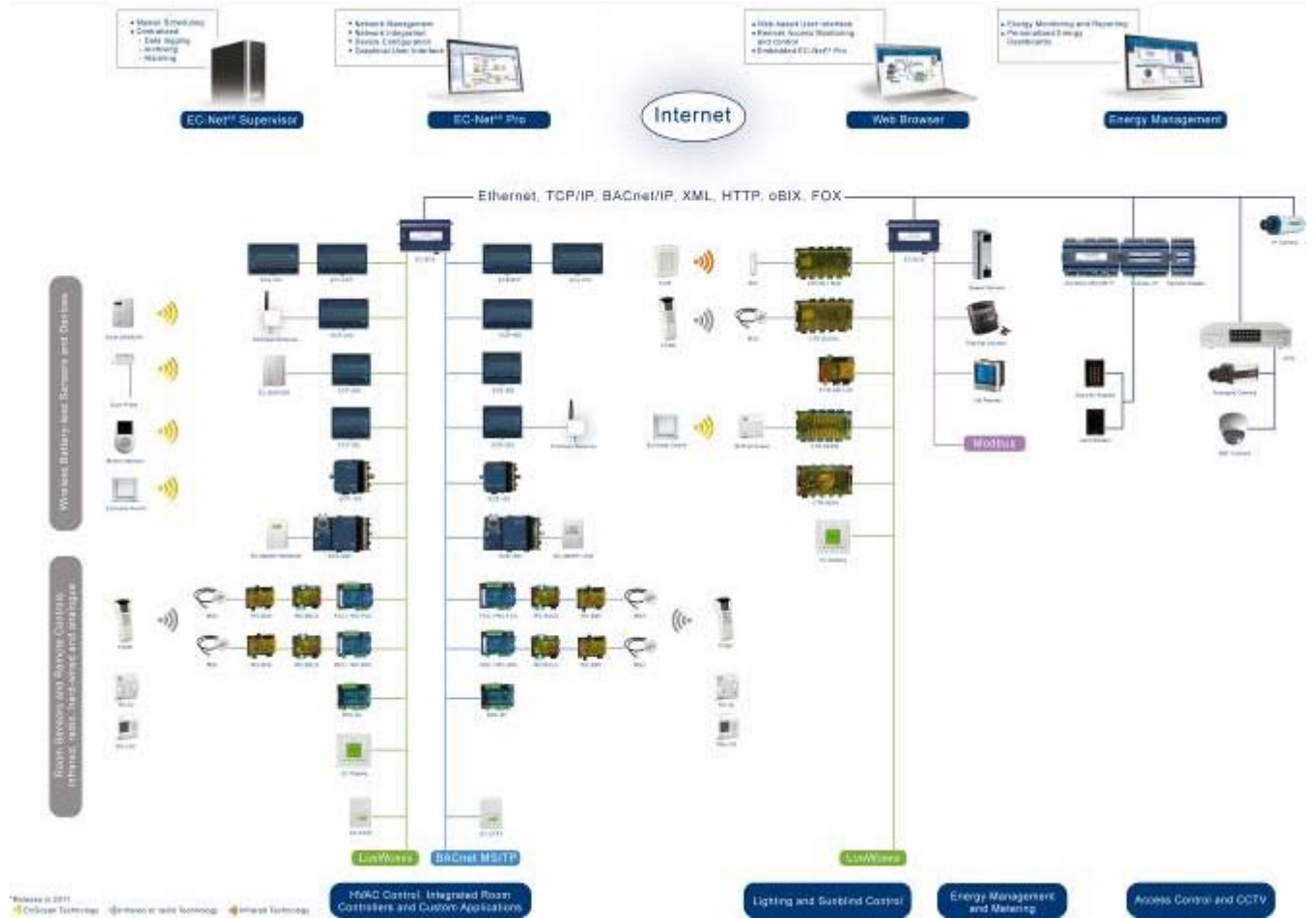
1. The number of access rights assigned to an individual cardholder is limited to 15.

Minimum Requirements

Component	Number of Controllers	
	1 to 100	More than 100
Processor	Pentium IV @ 2GHz	Core 2 Duo 2 GHz
Memory	4GB	8GB
Disk Capacity	250GB	500GB
Operating System	Windows XP or Windows Server 2008	Windows Server 2008 64Bit



Typical Architecture



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.

Specifications subject to change without notice.

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