



## Applications

- Full-featured facility access management system
- Elevator control to limit floor access
- Intrusion detection
- Advanced occupancy restrictions (access zones) further restricts access to high-security areas
- Integrate access control with existing building automation system

## Features & Benefits

- Web User Interface serves easy-to-use views of credentials, schedules, alarms and activities and provides quick access to rich live data such as events and alarms. No thick client software is required
- Authorized security administrators can manage credential enrollment, access rights and schedules, time and attendance and alarm response in real time through a standard web browser from anywhere at anytime
- Pre-defined custom reports can be viewed on screen or exported
- Custom graphic floor plans and equipment displays
- Access zone definition for advanced occupancy restrictions
- User-definable Wiegand card formats
- EC-Net<sup>AX</sup> Security allows for monitoring and control of a facility in real-time; actions are initiated as events are occurring
- Seamlessly integrates to HVAC, lighting, and energy management applications
- There is no need for an on-site PC or to purchase and install proprietary software since EC-Net<sup>AX</sup> Security is accessed through a standard web browser
- Remote maintenance and troubleshooting improves ROI (return on investment) by reducing labor costs
- Reduce energy use via true occupancy-based control of lighting and comfort systems by integrating EC-Net<sup>AX</sup> Security with other IP-based systems.
- Integrated management of access control, alarm monitoring, intrusion detection and credential database

## Overview

EC-Net<sup>AX</sup> Security is an open, web-based access control solution that allows you to manage and monitor your facility anytime, anywhere. Built on the Niagara<sup>AX</sup> Framework®, EC-Net<sup>AX</sup> Security integrates with any building automation system, enabling you to control lighting, HVAC equipment, and other building systems in response to access events and/or alarm conditions.

The heart of EC-Net<sup>AX</sup> Security is the EC-BOS<sup>AX</sup> Security, an advanced IP-based controller that eliminates the need for on-site PCs or thick client software. EC-Net<sup>AX</sup> Security enables authorized security administrators to manage credentials, access rights, access control, intrusion detection, and alarm monitoring via a web browser interface from anywhere.

EC-Net<sup>AX</sup> Security is built on the Niagara<sup>AX</sup> Framework, the industry's leading facility automation and management platform. This allows integration with your building control system via BACnet®, LONWORKS®, or Modbus. Enterprise connectivity through XML, SNMP, oBIX and HTTP is also supported.

## EC-BOS<sup>AX</sup> Security Controller



Model	<b>EC-BOS-6<sup>AX</sup> Security</b>
Processor	- PowerPC 440 524MHz - 256 MB DDR RAM & 128 MB Serial Flash - Battery Backup - Real-time Clock
Card Readers Connected Directly	2
Supervised Inputs	6
Digital Inputs	3
Relay Outputs	4
Remote Reader Modules	Up to 15 <sup>1</sup>
Remote I/O Security Modules	Up to 15 <sup>1</sup>
Total Readers	32 <sup>2</sup>
Intrusion Arming Keypad	Up to 10
Total I/O	120 <sup>2</sup> /120 <sup>2</sup>
Personnel Records	10,000
History Records	50,000
Product Number	CDITR-BSE6010

1. Maximum of 15 modules (combines reader and I/O) per EC-BOS-6<sup>AX</sup> Security.
2. Up to 32 readers or 120 I/O points, depending on module combination.

## EC-Net<sup>AX</sup> Security Web Tool

### Real Time Monitoring

Access real time alarm and activity monitoring from an intuitive console and quickly view facility graphical layouts to locate points of entry, exit and alarms. Facilitate operator response to system events with unique alarm point instructions or process events with pertinent notes to create a written record of events.

### Comprehensive Reporting

Historical data is easily searchable through a list of pre-defined reports and comprehensive ad-hoc reporting capabilities. Export results to comma separated value (CSV) format or standard PDF format utilizing flexible report styles to customize report layouts.

Timestamp	Source	Source State	Ack State	Priority	Alarm Class	Message
10-Mar-10 6:36:55 AM EST	NagaralNetwork_SecurityUgo	Offnormal	0 Ached / 7 Unacked	150	defaultAlarmClass	Ping Failed
10-Mar-10 8:23:48 AM EST	ReplicatorService	Alert	0 Ached / 1 Unacked	150	defaultAlarmClass	SecurityUgo Failed replication
09-Mar-10 5:00:30 PM EST	SecurityUgo:BaseModule:Entrance_Sensor	Offnormal	0 Ached / 5 Unacked	150	defaultAlarmClass	Door Held Open Alarm
09-Mar-10 5:00:00 PM EST	SecurityUgo:NagaralNetwork_econetUgoSecurity	Normal	0 Ached / 7 Unacked	150	defaultAlarmClass	Ping Success
09-Mar-10 3:53:33 PM EST	SecurityUgo:PlantSideModule_SideExit_Sensor	Normal	0 Ached / 4 Unacked	250	High	Door Forced Alarm Cleared
09-Mar-10 3:53:28 PM EST	SecurityUgo:GunpitZone	Alert	0 Ached / 3 Unacked	150	defaultAlarmClass	Granted But Anti Passback Violation: Person Already Inside
09-Mar-10 3:44:24 PM EST	SecurityUgo:BaseModule_Reader 1	Alert	0 Ached / 1 Unacked	150	defaultAlarmClass	Badge Does Not Exist
09-Mar-10 1:24:00 PM EST	SecurityUgo:Input/Output_Module:RoofHatch	Offnormal	0 Ached / 2 Unacked	250	High	roof hatch is open!
09-Mar-10 1:14:03 PM EST	SecurityUgo:Input/Output_Module:RoofHatch	Normal	0 Ached / 1 Unacked	250	High	Supervised Fault Cleared
09-Mar-10 1:11:25 PM EST	SecurityUgo:AccessNetwork:Input/Output_Module	Normal	0 Ached / 1 Unacked	150	defaultAlarmClass	Ping Success
09-Mar-10 1:11:25 PM EST	SecurityUgo:AccessNetwork:BaseModule	Normal	0 Ached / 1 Unacked	150	defaultAlarmClass	Ping Success
09-Mar-10 1:11:25 PM EST	SecurityUgo:AccessNetwork:PlantSideModule	Normal	0 Ached / 1 Unacked	150	defaultAlarmClass	Ping Success
09-Mar-10 10:47:12 AM EST	SecurityUgo:PlantSideModule:PlantExitRfid	Alert	0 Ached / 1 Unacked	150	defaultAlarmClass	Granted But Not Used
09-Mar-10 10:46:52 AM EST	SecurityUgo:PlantSideModule:PlantEntryRfid	Alert	0 Ached / 1 Unacked	150	defaultAlarmClass	Granted But Not Used
09-Mar-10 9:03:09 AM EST	SecurityUgo:BaseModule:breakRoomRfid	Alert	0 Ached / 1 Unacked	150	defaultAlarmClass	Badge Does Not Exist
09-Mar-10 9:01:25 AM EST	SecurityUgo:BaseModule:break_Room_Sensor	Normal	0 Ached / 1 Unacked	250	High	Door Forced Alarm Cleared
09-Mar-10 9:01:14 AM EST	SecurityUgo:BaseModule:Entrance_Sensor	Normal	0 Ached / 1 Unacked	150	defaultAlarmClass	Door Forced Alarm Cleared
09-Mar-10 8:57:00 AM EST	SecurityUgo:BaseModule:breakRoomRfid	Alert	0 Ached / 1 Unacked	150	defaultAlarmClass	Granted But Not Used
09-Mar-10 8:49:43 AM EST	SecurityUgo:BaseModule:break_Room_Sensor	Normal	0 Ached / 1 Unacked	150	defaultAlarmClass	Door Held Open Alarm Cleared

## Recommended Peripherals

### Expansion Modules



Security Reader Module

Remote reader module  
(2) card reader inputs  
(4) supervised inputs  
(2) digital inputs  
(2) Form C (SPDT) relay outputs.



Security I/O module

Remote I/O module  
(8) supervised inputs  
(2) digital inputs  
(8) Form C (SPDT) relay outputs.



Security keypad

LCD display and keypad for arming and disarming Intrusion Zones. Display also provides feedback to the user regarding arming status and status of individual intrusion points.

### Enclosure



EC-SEC-ENC-WM

Wall Mount enclosure for EC-BOS *Security*, 2 reader modules or IO modules

### HID Readers & Credentials



Various Models

HID offers 13.56MHz and 125kHz readers and credentials for various types of installations.

### Dedicated Micros Cameras



Various Models

Dedicated Micros offers various types of cameras and camera accessories including box type, interior dome, vandal dome, PTZ and IP cameras.

### Dedicated Micros Video Recorders



Various Models

Dedicated Micros offers various models of video recorders and video recorder accessories for both analog and IP cameras, small to large installations and for a wide range of applications.

### Other Products (Hardware)



EC-NPB-2X-485

Dual port RS-485 option card. Required for intrusion keypad.

EC-NPB-LON

78Kbps FTT-10A LON adapter

EC-NPB-GPRS

GPRS Modem option card

EC-NPB-PWR-UN

90-263VAC/15VDC, 50/60Hz Universal Power Supply Module. DIN rail mountable

For more information on these or other Distech Controls products please refer to our website at [www.distech-controls.eu](http://www.distech-controls.eu) or call +33 4 78 45 01 23.

## Product Warranty & Total Quality Commitment

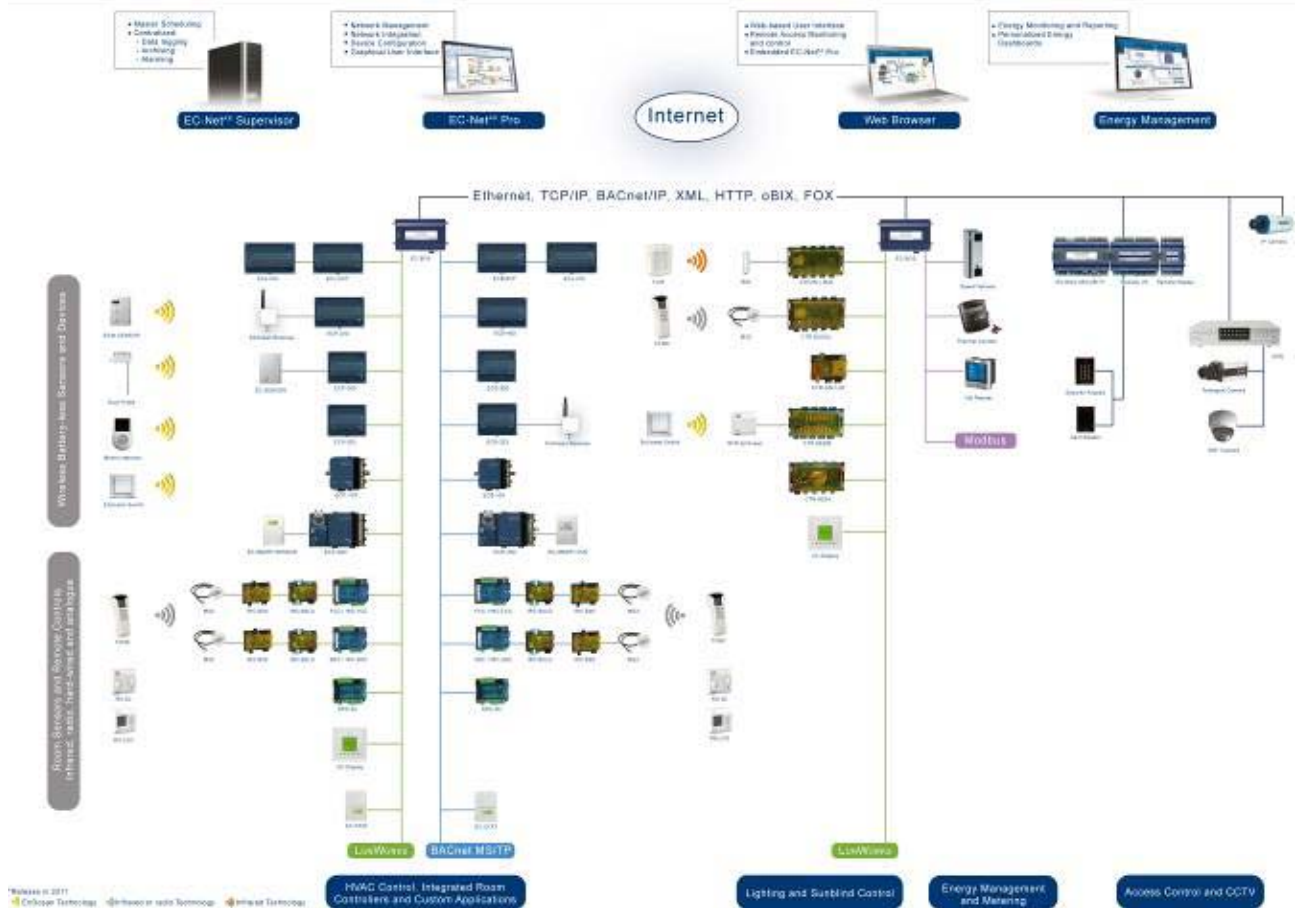
All Distech Controls product lines are built to meet rigorous quality standards and carry a two-year warranty. Distech Controls is an ISO 9001 registered company.

## Product Specifications

Platform		Chassis	
Processor:	See EC-BOS <sup>AX</sup> Security Controller	Construction:	Plastic, din rail or screw mount chassis, plastic cover
Memory:	See EC-BOS <sup>AX</sup> Security Controller	Cooling:	Internal air convection
		Dimensions:	16 cm (W) x 12,2cm (H) (including connectors) x 6,2cm (D)
		Weight:	0.708 Kg
Communications		Environment	
Methods:	<ul style="list-style-type: none"> <li>- 2 Ethernet Ports – 10/100Mbps (RJ-45 connectors)</li> <li>- 1 RS-232 Port (9-pin D-shell connector)</li> <li>- 1 RS-485 isolated port (6 pin screw terminal)</li> <li>- 1 6-Pin Connector (for Power modules)</li> <li>- 2 communication card option slots</li> </ul>	Operating Temp.:	0°C to 50°C
		Storage Temp.:	0°C to 60°C
		Relative Humidity:	5% to 95%, non-condensing
Operating Systems		Agency Listings	
Types:	<ul style="list-style-type: none"> <li>- QNX RTOS</li> <li>- IBM J9 Java Virtual Machine</li> <li>- Niagara<sup>AX</sup> 3.5 or higher</li> </ul>	UL:	UL 294
		CE:	C-UL listed to Canadian Standards Association For details, refer to EC-BOS-6 <sup>AX</sup> Security Mounting and Wiring Instructions
		FCC:	Part 15 Class A



## Typical Architecture



Specifications subject to change without notice.

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