



# EC-Net Supervisor



## Overview

The EC-Net™ Supervisor is a software platform used in server-class applications. It makes managing all buildings at an enterprise level possible, giving facilities managers the ability to quickly respond to problems and insights to optimize their system.

The EC-Net Supervisor allows multiple Niagara-based EC-BOS series controllers, as well as other IP-based devices such as the ECLYPSE™ Connected IP and Wi-Fi products series, to be networked together. It serves real-time graphical information to standard Web-browser clients and provides server-level functions. These functions include centralized data logging/trending, archiving to external databases, alarming, system navigation, master scheduling, database management, and integration with other enterprise software applications. Also, it provides a comprehensive graphical engineering toolset for application development.

The EC-Net Supervisor operates with EC-Net™ web-based building management platform powered by the Niagara Framework®. The EC-Net Supervisor can also run EC-Net Access for managing access control systems.

## Features & Benefits

- Scalable licensing model for medium-sized sites with few integrations and EC-BOS-8 or IP-based controllers, up to large multi-site and remote campuses
- Integrates many automation systems including those for HVAC, lighting, energy, fire and smoke, physical access, video, and industrial/processing control
- Integrates enterprise-level applications including databases, user management, and hotel guest management
- Protects your system and data with best practice security features including role-based user and permissions management, password management (strength settings, expiration, history), encryption (TLS), certificates and electronic signatures
- Tagging and templating functions provides the foundation for organizing data, advanced searching capability and deploying systems more quickly and consistently
- Adaptive end user views are displayed using HTML5, for a consistent user experience across all web browsers and devices, including desktop, tablet and mobile
- EC-Net Access offers easy configuration of physical access control system via a web browser connection, along with advanced functions for occupancy counting, anti-passback, threat level management, elevator control, and more, as well as integrations to photo ID badging/printing software and visitor management

# Model Selection

To order a fully functional EC-Net Supervisor, the following two components are required as a minimum: EC-Net Supervisor model (based on number of Niagara network connections), and Software Maintenance Agreement (SMA). If ordering a demo version, an SMA is not required. Refer to the [EC-Net Selection Tool](#) to calculate the required components.

## EC-Net Supervisor Models

**Example:** EC-Net Supervisor 10

Series	Niagara Network connections
<b>EC-Net Supervisor:</b> Includes standard drivers and is also licensed to run EC-Net <sup>AX</sup> 3.8.	<b>0:</b> 0 Niagara network connections <b>1:</b> 1 Niagara network connection <b>2:</b> 2 Niagara network connections <b>3:</b> 3 Niagara network connections <b>10:</b> 10 Niagara network connections <b>100:</b> 100 Niagara network connections <b>UNL:</b> Unlimited Niagara network connections
<b>EC-Net Supervisor Demo:</b> Includes all drivers and EC-Net Pro. Can also run EC-Net <sup>AX</sup> 3.8. Purchase this version for internal use, e.g. technician's laptops. Note: This license expires annually, and its renewal is covered by the EC-Net Support Fee.	N/A

For more information regarding the EC-Net drivers currently offered by Distech Controls, refer to the [EC-Net Drivers Reference Guide](#).

## EC-Net Supervisor Software Maintenance Agreement

Software maintenance is required when purchasing an EC-Net Supervisor. The minimum initial software maintenance plan is 18 months. Optional 3- or 5-year maintenance may be substituted.

If Maintenance coverage is not purchased for any period, the price of Maintenance for the next period for which it is purchased will be (a) the Maintenance fee for the period(s) for which Maintenance was not purchased, up to a maximum of 5 years; and (b) the Maintenance fee for the next year.

These software maintenance plans are ordered separately according to the EC-Net Supervisor model chosen. See the price list for more details. Take advantage of the Asset Manager online tool to receive notifications about SMA expirations and Enterprise SMA to align all SMA expiration dates to a single one for the entire system.

**Example:** EC-Net Supervisor 10 – 5-year SMA

Series	Software Maintenance Agreement
EC-Net Supervisor 0	
EC-Net Supervisor 1	
EC-Net Supervisor 2	
EC-Net Supervisor 3	<b>1-year SMA:</b> 1-year maintenance (Includes new and interim releases)
EC-Net Supervisor 10	<b>3-year SMA:</b> 3-year maintenance (Includes new and interim releases)
EC-Net Supervisor 100	<b>5-year SMA:</b> 5-year maintenance (Includes new and interim releases)
EC-Net Supervisor UNL	

## Core Capacity Upgrades

Core upgrades add extra Niagara connection capacity to the EC-Net Supervisor license. The following options are available:

Series	Upgrades
<b>Niagara Connection Adder</b>	Adds one additional Niagara connection to EC-Net Supervisor.
<b>EC-Net Supervisor 100 Upgrade</b>	Upgrades "small" EC-Net Supervisor (EC-Net Supervisor 0 through EC-Net Supervisor 10) to 100 Niagara connections. Will maintain any Niagara Connection Adder that were added to original license.
<b>EC-Net Supervisor UNL</b>	Upgrades EC-Net Supervisor 100 to unlimited Niagara connections.

## Integration Packs

Integration packs add device/point connection capacity from IP-based devices to the EC-Net Supervisor software. The following options are available:

**Example:** EC-Net Supervisor 100 Device Pack

Series	Connection Capacity
EC-Net Supervisor	<b>10 Device Pack:</b> Supports up to 10 devices or 500 points (Standard drivers included).
	<b>25 Device Pack:</b> Supports up to 25 devices or 1,250 points (Standard drivers included).
	<b>50 Device Pack:</b> Supports up to 50 devices or 2,500 points (Standard drivers included).
	<b>100 Device Pack:</b> Supports up to 100 devices or 5,000 points (Standard drivers included).
	<b>200 Device Pack:</b> Supports up to 200 devices or 10,000 points (Standard drivers included).
	<b>500 Device Pack:</b> Supports up to 500 devices or 25,000 points (Standard drivers included).
	<b>1000 Device Pack:</b> Supports up to 1000 devices or 50,000 points (Standard drivers included).

## EC-Net Supervisor Software Option

Option	Upgrades
<b>EC-Net Supervisor EC-Net Access Option</b>	Enables EC-Net Supervisor to run EC-Net Access (minimum 2.4.45). Includes licensing for 32 readers, MySQL and MSSQL database drivers.

## Access Reader Packs

Packs	Description
<b>16-Reader Pack</b>	Expands EC-Net Access license by 16 readers.
<b>64-Reader Pack</b>	Expands EC-Net Access license by 64 readers.
<b>256-Reader Pack</b>	Expands EC-Net Access license by 256 readers.
<b>1024-Reader Pack</b>	Expands EC-Net Access license by 1024 readers.

## Complementary Software

Software	Description
<b>Asure ID 7</b>	<p>Asure ID 7 photo ID software for photo capture, printing and badge template design. Each instance of this option allows connection of one Asure ID workstation to the EC-Net Supervisor.</p> <p>Note:</p> <ul style="list-style-type: none"> <li>This software product requires the EC-Net Supervisor Asure ID Driver to provide a single photo ID workstation.</li> <li>The software license key for this product is delivered by email. An email address is required when placing the order.</li> </ul>

## Compatibility

In any given EC-Net 4 system, the EC-Net Supervisor must be running the highest version of any Niagara instance in the architecture.

When connecting to EC-BOS series controllers that are running older versions of EC-Net 4, these compatibility guidelines apply:

- EC-Net<sup>AX</sup>: EC-Net Supervisors can connect to EC-BOS series controllers running EC-Net<sup>AX</sup> versions 3.6.406, 3.7.108, 3.8.38 or higher.
- EC-Net R2: EC-Net<sup>AX</sup> and EC-Net Supervisors can connect to an EC-BOS running R2 through the oBIX XML interface only. oBIX is included in all EC-Net<sup>AX</sup> and EC-Net Supervisors as a means of integrating EC-Net-based Release 2 (R2) EC-BOS controllers. With Release 2.3.522 or higher, the oBIX driver can be added to expose all data points, schedules, trends and alarms to an EC-Net<sup>AX</sup> or EC-Net 4 system. This oBIX driver is both a client and a server.

# Product Specifications

The EC-Net Supervisor may run acceptably on lower-rated platforms, or may require more powerful platforms, depending on the application, number of data points integrated, data poll rate, number of concurrent users, performance expectations, etc. The following are the minimum platform requirements:

## Platform Requirements

Processor	Intel® Xeon® CPU E5-2640 x64 (or better), compatible with dual and quad-core processors
Memory	4GB or more recommended
Hard drive	500 GB or more recommended
Display	Video card and monitor capable of displaying 1024 x 768 pixel resolution or greater
Network support	Ethernet adapter (10/100 Mb with RJ-45 connector)
Connectivity	Full-time high-speed ISP connection recommended for remote site access (i.e. T1, ADSL, cable modem)

## EC-Net Access Licensing Quantities

Card Readers	10,000
Access Rights	25,000
Schedules	1,500
Access Zones	25,000
Personnel	1,000,000
Simultaneous Users	25
Area Controllers	250

Specifications subject to change without notice.

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