

niagara

security JACE[®] and accessories

PRODUCT DEFINITION

Niagara Security JACE is an embedded Web server that includes the Niagara Enterprise Security application. Niagara Enterprise Security is a full-featured access control and security system that includes an intuitive graphical user interface for managing access control and security. The system can be tailored for individual end users with custom reports and graphics. Optional video surveillance integration provides a single user interface for monitoring video and system status. Standard BACnet[®] and Fox drivers enable seamless control of multiple building systems from a single platform. Web-browser clients provide full configuration and operator functionality for up to 10 simultaneous users.



Niagara Security JACE is an embedded Web server with on-board I/O for controlling up to 2 access-controlled doors and 2 security zones. Scalable by adding up to 15 modules to increase the access capacity to 32 readers, the Niagara Security JACE is appropriate for small to large installations. Optional communication cards and drivers can be added to enable BACnet[®], Modbus[®], LonWorks[®] and SNMP device communications. For larger installations, the Niagara Enterprise Security Supervisor may be used to manage multiple Niagara Security JACEs for a robust, distributed system.



Niagara Security Remote Input Output Module provides 8 supervised inputs and 8 form C relay outputs. The I/O Module can be utilized for monitoring intrusion sensors, elevator controls or controlling doors which do not require a card reader. Interfaces to Niagara Security JACE via RS-485 port included on the Niagara Security JACE.



Niagara Universal Input Output Module supports 8 Universal Inputs, 4 Form A Relay Outputs and 4 0-10 VDC Analog Outputs. The Universal I/O Modules can be utilised for monitoring analog inputs, providing analog control signals and providing relay contacts when interfacing to non-security related equipment. Interfaces to Niagara Security JACE via RS-485 on optional communication card.



Niagara Security Remote Reader Module includes I/O for 2 access-controlled doors. Interfaces to Niagara Enterprise Security JACE via RS-485 port included on the Niagara Security JACE.

powered by

niagara
framework[®]

FEATURES

Role based users – control what users view and can access or command
Threat Level Management – change building access control based on up to 255 different threat levels
Advanced Zone Management – count people in a zone, set min and max occupancy limits, require a Supervisor, and prevent passback
Intrusion Zone Management – Monitor, arm, disarm secured areas
Elevator Floor Control – Individual floor access control
Intuitive User Interface with context-sensitive help
Configurable Wiegand Formats – Support for most proximity card formats. Avoid replacing existing credentials when retrofitting systems.
Custom Reports – The information you need in the format you want
Custom Graphic / Map creation – Create custom graphics to provide operators with quick access to critical information
Video System Integration – View and control cameras from the same console as other building functions. Select associated video from the alarm console or pop-up video when alarms occur.
Database Import – import data from other access control systems or HR databases to quickly populate the database
Alarm Escalation – Escalate alarms to remote consoles or email recipients

SUPPORTED DRIVERS

Video Drivers – Milestone®, Axis®, Dedicated Micros®, Honeywell RapidEye™
Building Automation Drivers – BACnet®, Lonworks®, Modbus®, and SNMP

SPECIFICATIONS

Part number	Card readers	Supervised inputs	Digital inputs	Universal inputs	Relay outputs	0-10 VDC analog outputs
JSXR32	2	6	3	–	4 Form C	–
JSCR16	2	6	3	–	4 Form C	–
SECR2R	2	4	2	–	2 Form C	–
SECRIO	–	8	2	–	8 Form C	–

RESOURCE CAPACITIES

	Niagara Security JSXR32	Niagara Security JSCR16
Reader Modules	up to 15 ¹	up to 15 ¹
I/O Modules	up to 15 ¹	up to 15 ¹
Total Readers	32 Max (2)	16 Max (2)
Universal I/O Module	4 ¹	4 ¹
Intrusion Arming Keypad	up to 6	up to 6
Total I/O	120 ² /120 ²	120 ² /120 ²
Personnel Records	20,000	20,000
Access History Records	50,000	50,000
Supports Optional Non-Security Drivers	No ³	Yes

¹ Max of 15 modules (combined reader and I/O) per JCXR32 or 7 per JSCR16.

² Up to 32 readers or 120 I/O points, depending on module combination (reduced for JSCR16).

General Note: For systems requiring multiple controllers or greater than 32 readers, use the Niagara Enterprise Security Supervisor solution.

KEY ADVANTAGES

- Unified graphical tool set for all connected building systems
- Scalable from 2 – 32 doors
- Integrated video surveillance
- Customisable access control functions using Niagara tools
- Single embedded platform for managing multiple systems

ORDERING INFORMATION

Niagara Security JACE

Niagara Security JACE includes connections for 2 Card Readers, 6 Supervised Inputs, 4 Form C Relay Outputs, 3 Digital Inputs, 256 MB RAM/128 MB Flash, 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots. Provides removable screw terminal connectors and status indication LEDs. Niagara Security JACE is designed for DIN rail mounting. Includes Security Appliance, Web UI and the following standard drivers: Niagara Network (Fox) Client/Server, NRIO, BACnet IP Server and oBIX Server. Supports up to 2 card readers with maximum of 32, and 20,000 personnel records 20,000 transactional history records, and intrusion and optional video drivers. Manufactured in the USA.

JSXR32	Niagara Security JACE licensed for 32 readers
JSCR16	Niagara Security JACE licensed for 16 readers. Includes BAS drivers 10 devices/200 points.
J6DEMOSEC	Niagara Security Demo Kit, Niagara Security JACE licensed for 32 readers. Includes BACnet, Lonworks, MODbus TCP and 16 cameras for each available video driver. Kit is for demo use only and not for resale.

Hardware Options

SECR2R	Includes connections for 2 Card Readers, 4 Supervised Inputs, 2 Form C Relay Outputs and 2 Digital Inputs. Contains removable screw terminal connectors and status indication LEDs. Manufactured in the USA.
SECRIO	Includes connections for 8 Supervised Inputs, 8 Form C Relay Outputs and 2 Digital Inputs. Contains removable screw terminal connectors and status indication LEDs. Manufactured in the USA.
JOC485	Dual Port RS-485 option card.
JOCLON	78 Kbps FTT-10A Lon® adapter. Uses one of the two communication slots in the Niagara Security JACE. Manufactured in the USA.

Video Drivers

DJXAXI	Axis IP camera driver for 4 cameras.
DJXDED	Dedicated Micros video driver for 4 cameras.
DJXMIL	Milestone video driver for 4 cameras.
DJXHRE	Honeywell RapidEye™ video driver for 4 cameras.

Niagara Security JACE 6 Controller Upgrades and Maintenance

JAX1UP	Upgrades the Niagara Security JACE to the current Niagara AX version.
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PLATFORM SPECIFICATIONS

JSXR32 and JSCR16 Platforms

- PowerPC 440 524 MHz processor
- 256 MB DDR RAM & 128 MB Serial Flash
- Battery backup
- Real-time clock

JACE Communications

- 2 Ethernet Ports - 10/100 Mbps
- 1 RS-232 Port (9 pin D-shell connector)
- 1 RS-485 (6 pin screw terminal)

JACE Operating System

- QNX RTOS
- Sun Hotspot JVM (Java Virtual Machine)
- Niagara AX

Power Supply

- PME3VA: 90-240Vac to 15Vdc DIN rail mounting PSU 30VA

I/O Module Communications

- 1 RS-485 (6 pin screw terminal)

Environment

- Operating temperature range: 0° to 50°C (32°F to 122°F)
- Storage temperature range: 0° to 60°C (32°F to 140°F)
- Relative humidity range: 5% to 95%, non-condensing

Agency Certifications

- FCC part 15 Class A
- CE

To learn more about how to purchase and install the Niagara Security JACE, or if you are an original equipment manufacturer and would like to add this to your suite of offerings, please contact us.



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