Niagara Enterprise Security and Video Drivers

Release Information

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Niagara Enterprise Security Features

Now the full-featured enterprise security solution proven in previous Niagara versions is available on Niagara 4.6

- One framework to seamlessly integrate access control, identity, video surveillance, intrusion and visitor management systems with other building automation services such as lighting, HVAC and energy management all using powerful Niagara framework capabilities.

- Licensing scheme accommodates the density of current video systems while being consistent with other Niagara 4 products.

- Video Drivers for Axis® Cameras, and Milestone Xprotect® Professional, Professional+ and Corporate have been migrated to Niagara 4.6.
  - Video Drivers work with the Niagara Framework with or without Niagara Enterprise Security.

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New Part Numbers

JACE and Supervisor Parts

Part Number	Description
SEC-J8-32	Enterprise Security Application on JACE 8000 Model - 32 Readers
SEC-SUP-32	Enterprise Security Application for Supervisor - 32 Readers

- JACE and Supervisor base license must be ordered separately
- Security devices are excluded from global capacity

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Video Driver Part Numbers

| Part Number	Description
DR-MLS-8	Milestone Xprotect® Professional/+ 8 camera driver on JACE. Max 16 cameras per JACE.
DR-S-MLS-16	Milestone Xprotect® Professional/+ or Corporate 16 camera driver on Supervisor
DR-S-MLS-32	Milestone Xprotect® Professional/+ or Corporate 32 camera driver on Supervisor
DR-S-MLS-64	Milestone Xprotect® Professional/+ or Corporate 64 camera driver on Supervisor
DR-S-MLS-128	Milestone Xprotect® Professional/+ or Corporate 128 camera driver on Supervisor
DR-AXIS-8	Axis® 8 camera driver on JACE. Max 16 cameras per JACE
DR-S-AXIS-16	Axis® 16 camera driver on Supervisor
DR-S-AXIS-32	Axis® 32 camera driver on Supervisor
DR-S-AXIS-64	Axis® 64 camera driver on Supervisor
DR-S-AXIS-128	Axis® 128 camera driver on Supervisor

Video drivers are excluded from global capacity
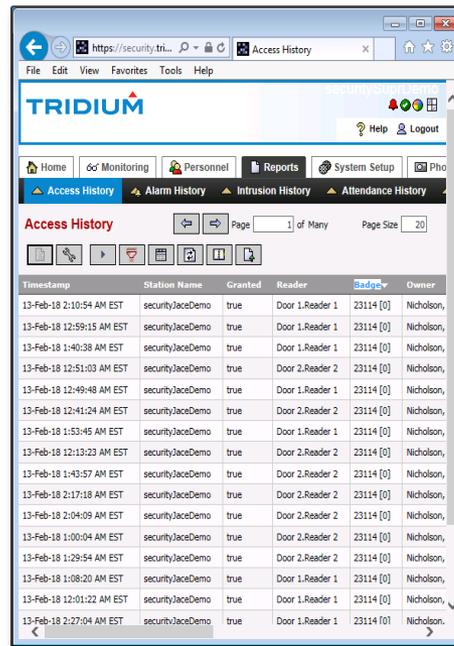
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Integration can be messy
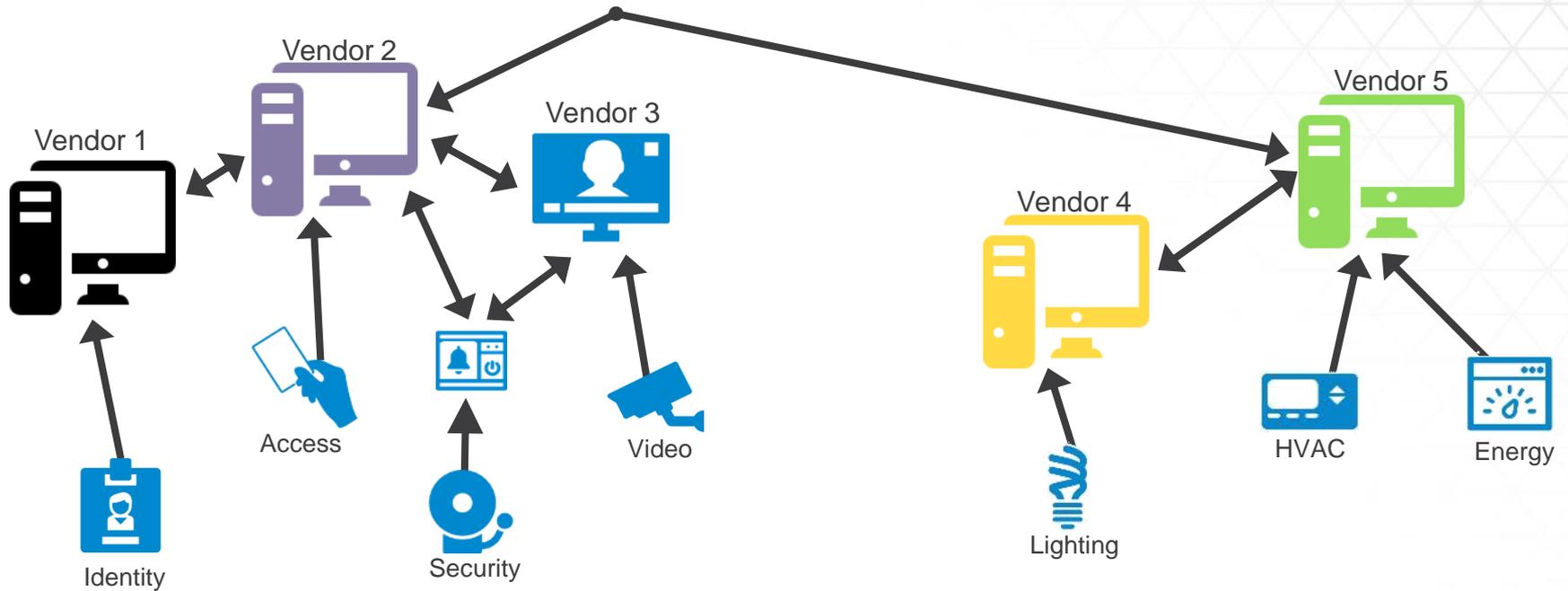
Niagara Makes it Easy
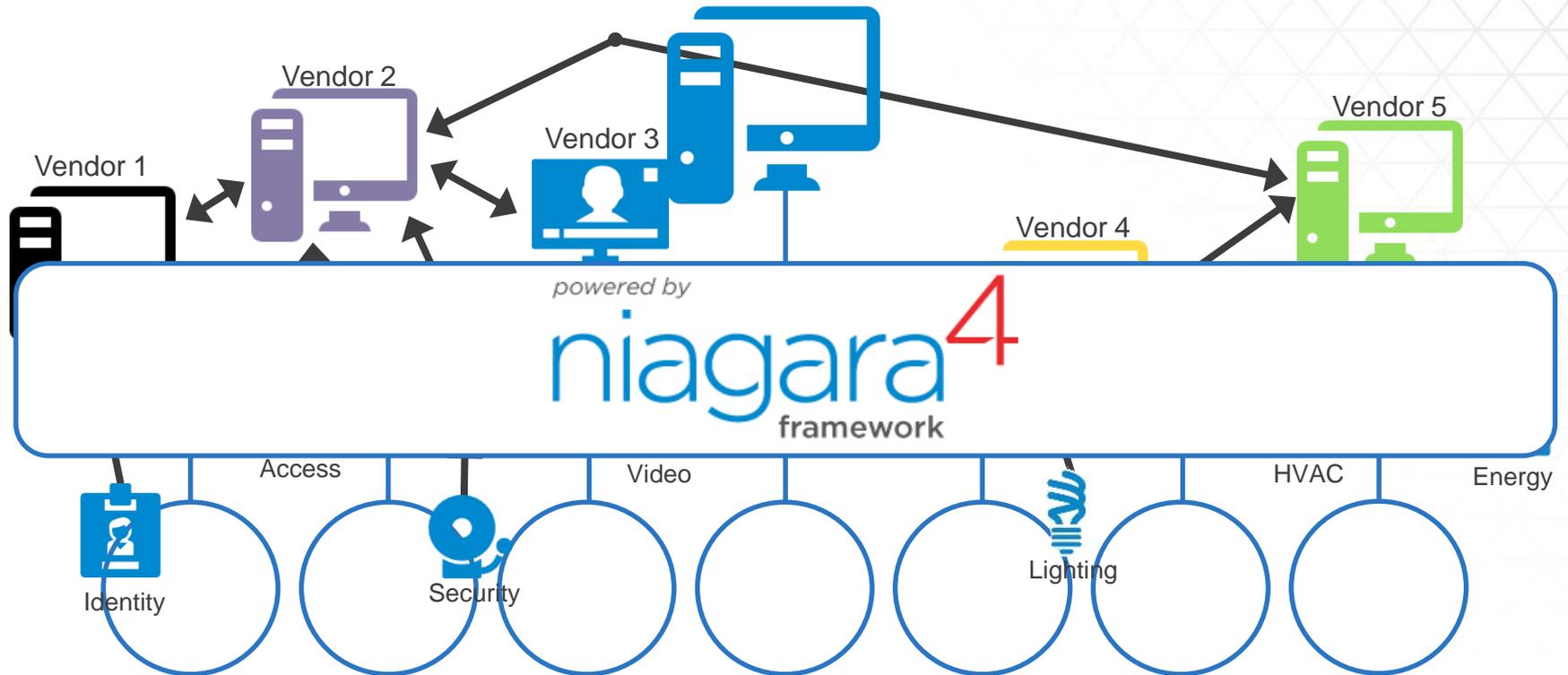
Standard Access Control Features

Thin Client Access

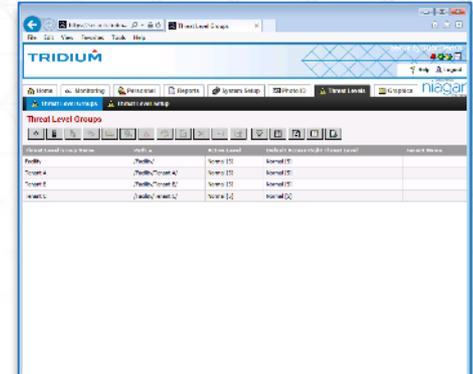**Custom Reports**

User Roles

Premium Access Control Features

GUI
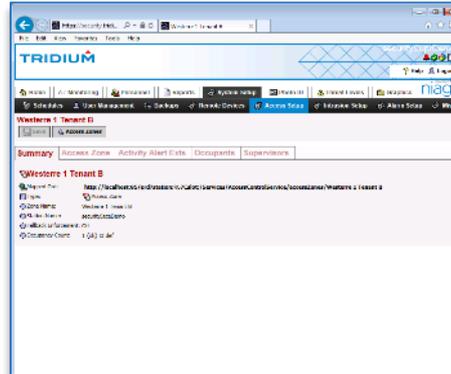
Access Zones

Threat Level

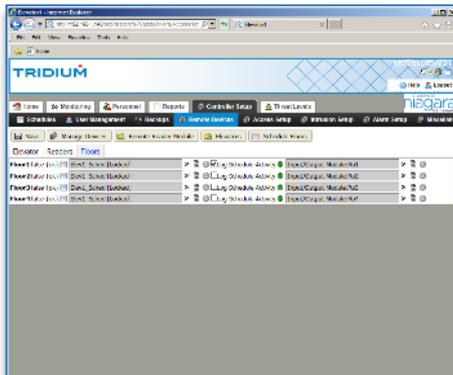**Elevator Control**
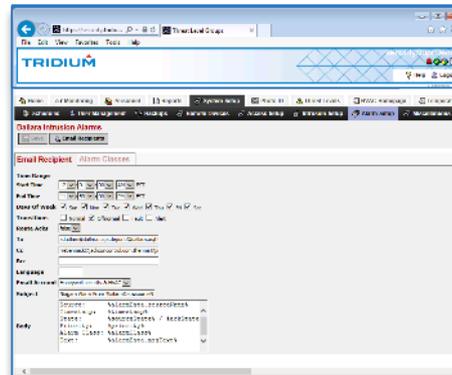
Email Notifications
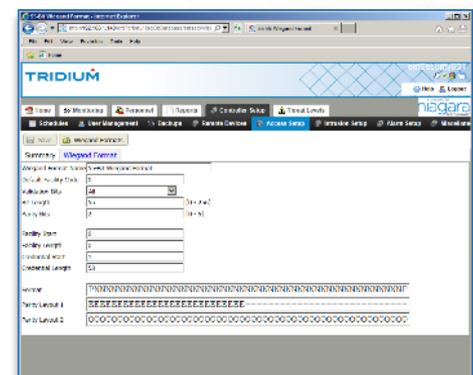
Configurable Formats

BACnet server

Security points automatically mapped to BACnet

Integrate with non-Niagara systems

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Unique Features

Workbench with JACE and Supervisor

Custom Configuration of access control

Seamless integration with BAS functions

Our competition locks down access control and security functions

Intrusion

- Timed, keypad, or remote arming control

- Flexible Zone Configuration

- Connection to Dialers

- Alarm Escalation

- Enterprise-wide activation of alarms

Integrated Video

- Bi-Directional Alarms
- Video Alarm Pop-ups
- Video Alarm Console
- Photo-ID Viewer
- Video Graphics – Maps, Data Overlay
- Re-task Cameras on Alarm
- Change recording speed and resolution on alarm
- Niagara Surveillance Viewer
- Control Video System Screens

Integrated Photo ID
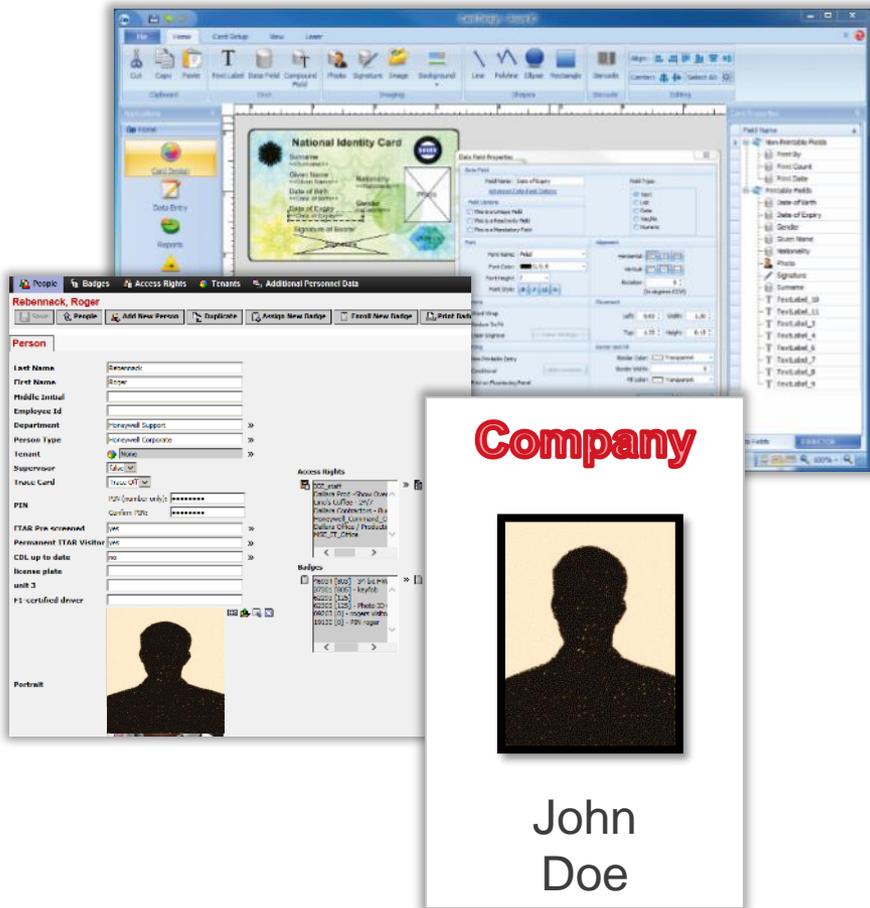
- Custom Badge Templates

- Photo Import

- Web Cam interface

- Works with most badge printers – verified with Fargo brand

- Instant Visual Verification

- View Photos from alarm console.

Integrated Visitor Management

Synchronize Access with Reception Desk

Options
- Scan driver's license for positive ID
- Compare ID against government lists
- Advance Registration

LDAP / Active Directory Integration

- **Single "Source of Truth" for** logical and physical access.

- Quickly add/delete employees when they are on-boarded or terminated.

- Graphical UI configuration

- Eliminate "phantom cardholders" in your database

Integrations

Existing System Part Numbers

Niagara Enterprise Security Supervisor Options

Part Number	Description
SEC-R-16	Expands enterprise security license by 16 readers.
SEC-R-64	Expands enterprise security license by 64 readers.
SEC-R-256	Expands enterprise security license by 256 readers.
SEC-R-1024	Expands enterprise security license by 1024 readers.
DR-S-LDAP	Provides interface to integrate the Niagara Enterprise Security Supervisor card holder database to Active Directory/LDAP. Custom configuration of LDAP/Active Directory Database may be required.
DR-SEC-S-ASURE	Adds support for photo ID badge processing utilizing the HID Asure ID photo ID software package. Each instance of this option allows connection of one Asure ID workstation to the Niagara Enterprise Security Supervisor. This driver product DOES NOT INCLUDE the HID Asure ID Software (SEC-ASURE-ID).
SEC-ASURE-ID	Asure ID 7 photo ID software for photo capture, printing and badge template design. This product REQUIRES the DR-SEC-S-ASURE driver to provide a single photo ID workstation.
SEC-EL-ACI-Niagara	Easy Lobby access control integration plug-in for Niagara Security
DR-S-ISOM	Provides a secure RESTful interface to integrate with the Niagara Enterprise Security Supervisor card holder database. May be used to integrate with Easy Lobby and other 3rd party systems.

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Field Hardware

Part Number	Description
SEC-INT-KP	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 (Requires a separate RS-485 option port. A Maximum of 6 Display/Keypads may be added to the 485 bus on a JACE .
T-SEC-R2R	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.
T-SEC-RIO	Includes connections for 8 Supervised Inputs, 8 Form C Relay Outputs, and 2 Digital Inputs. Contains removable screw terminal connectors, and status indication LEDs.
T-NPB-PWR-UN	90 - 263 V AC 50 / 60 Hz Auto sensing Power Supply Module, DIN Rail Mountable. 15 VDC, 40 VA output
T-NPB-PWR	24 VAC/DC Power Supply Module, DIN Rail Mountable. 15 VDC, 40 VA output

Notes:
- JACE 8000 used for security or access control must be powered by a separately purchased power supply that is UL 294 listed, and provides 24 VDC with battery-backup.
- T-SEC-R2R, T-SEC-RIO, T-NPB-PWR and T-NPB-PWR-UN require branding for resale

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Enclosures

Part Number	Description
T-SEC-ENC-SML	Small enclosure with DIN rail, tamper switch and key lock. Single 2 reader module only option available for this enclosure. Dimensions: 6" W x 9" H x 4" D
T-SEC-ENC-MED	Enclosure with DIN rail, tamper switch, key lock, and capacity for user provided SLA batteries. Configurable options include Security JACE®, 2 reader modules or remote I/O module. Note: Universal Power Supply is included with enclosure. Dimensions: 17" W x 15" H x 4" D
T-SEC-ENC-MNP	Enclosure with DIN rail, tamper switch, key lock, and capacity for user provided SLA batteries. Configurable options include Security JACE®, 2 reader modules or remote I/O module. Note: Power Supply is not included. Dimensions: 17" W x 15" H x 4" D
T-SEC-ENC-LRG	Enclosure with DIN rail, tamper switch, key lock, and capacity for user provided SLA batteries. Enclosure includes 2 DIN rails for additional module expansion. Configurable options include Security JACE®, 4 reader modules or 2 remote I/O modules. Note: Universal Power Supply is included with enclosure. Dimensions: 17" W x 22" H x 4" D
T-SEC-ENC-LNP	Enclosure with DIN rail, tamper switch, key lock, and capacity for user provided SLA batteries. Enclosure includes 2 DIN rails for additional module expansion. Configurable options include Security JACE®, 4 reader modules or 2 remote I/O modules. Note: Power Supply is not included. Dimensions: 17" W x 22" H x 4" D

Enclosures require branding for resale

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How to Order

Example

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Sample System

Requirements:

- System consists of 2 buildings.

- Each building will have 20 access controlled doors

- Each building will have 32 monitored security points

- Each building will require a keypad for arming and disarming the intrusion zones.

- 64 cameras connected to Milestone Xprotect® Corporate NVR will be accessible from the Supervisor

- System will have one integrated Photo ID badging station

- System will have one Easy Lobby® Visitor management station

- 4 existing stand-alone JACEs will be connected to the Supervisor

- A new JACE will be added in each building for access control

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Supervisor Software

Qty	Part Number	Description
1	SUP-10	Supervisor with 10 Niagara Station connections. We need a minimum of 6 connections for our system.
1	SUP-10-SMA-INIT	Supervisor 10 - Initial 18 month maintenance must be purchased in conjunction with Supervisor software.
1	SEC-SUP-32	Enterprise Security Application for Supervisor - 32 Readers
1	SEC-R-16	Expands enterprise security license by 16 readers.
1	DR-SEC-S-ASURE	Adds support for photo ID badge processing utilizing the HID Asure ID photo ID software package. Each instance of this option allows connection of one Asure ID workstation to the Niagara Enterprise Security Supervisor.
1	SEC-ASURE-ID	Asure ID 7 photo ID software for photo capture, printing and badge template design.
1	SEC-EL-ACI-Niagara	Easy Lobby® access control integration plug-in for Niagara Security
1	DR-S-ISOM	Provides a secure RESTful interface to integrate with the Niagara Enterprise Security Supervisor card holder database. May be used to integrate with Easy Lobby and other 3rd party systems.
1	DR-S-MLS-64	Milestone Xprotect® Professional/+ or Corporate 64 camera driver on Supervisor

Note:
Easy Lobby® SVM 10 Visitor Management application, Fargo® Printer for badge printing, and Milestone Xprotect® Corporate VMS are purchased separately and not sold or warranted by Tridium.

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JACE 8000 and Hardware

Qty	Part Number	Description
2	JACE-8000	Individual JACE 8000 Controller, microSD card, 2 10/100 Mb Ethernet ports, 2 RS-485 serial ports. Initial 18 month maintenance must be purchased in conjunction with initial Core software. 3- or 5-year maintenance agreements also available for cost savings and convenience.
2	NC-8005	JACE 8000 5 Device Core Software Only & 250 Points. Includes standard open drivers. Supports up to 5 devices or 250 points. Requires Niagara 4.1 or higher.
2	SMA-8005-1YR-INIT	JACE 8005 - Initial 18 month maintenance must be purchased in conjunction with initial Core software. Optional 3 or 5 year maintenance may be substituted.
2	SEC-J8-32	Enterprise Security Application on JACE 8000 Model - 32 Readers
2	SEC-INT-KP	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 (Requires a separate RS-485 option port. A Maximum of 6 Display/Keypads may be added to the 485 bus on a JACE .
20	T-SEC-R2R	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.
8	T-SEC-RIO	Includes connections for 8 Supervised Inputs, 8 Form C Relay Outputs, and 2 Digital Inputs. Contains removable screw terminal connectors, and status indication LEDs.

Notes:
- JACE 8000 must be powered by a separately purchased 24 VDC power supply that is UL 294 listed and provides battery backup.
- Modules must be powered by a separately purchased 12 VDC power supply that is UL 294 listed and provides battery backup or a T-NPB-PWR supply that is connected to a 24 VDC UL 294 power source.

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Enclosures

Enclosure requirements will vary depending on how your equipment is distributed and available wall space.

Niagara Security Enclosures are specifically designed to mount Niagara Security modules, JACEs, and power supplies with pre-drilled mounting holes, grounding lugs and mounting hardware.
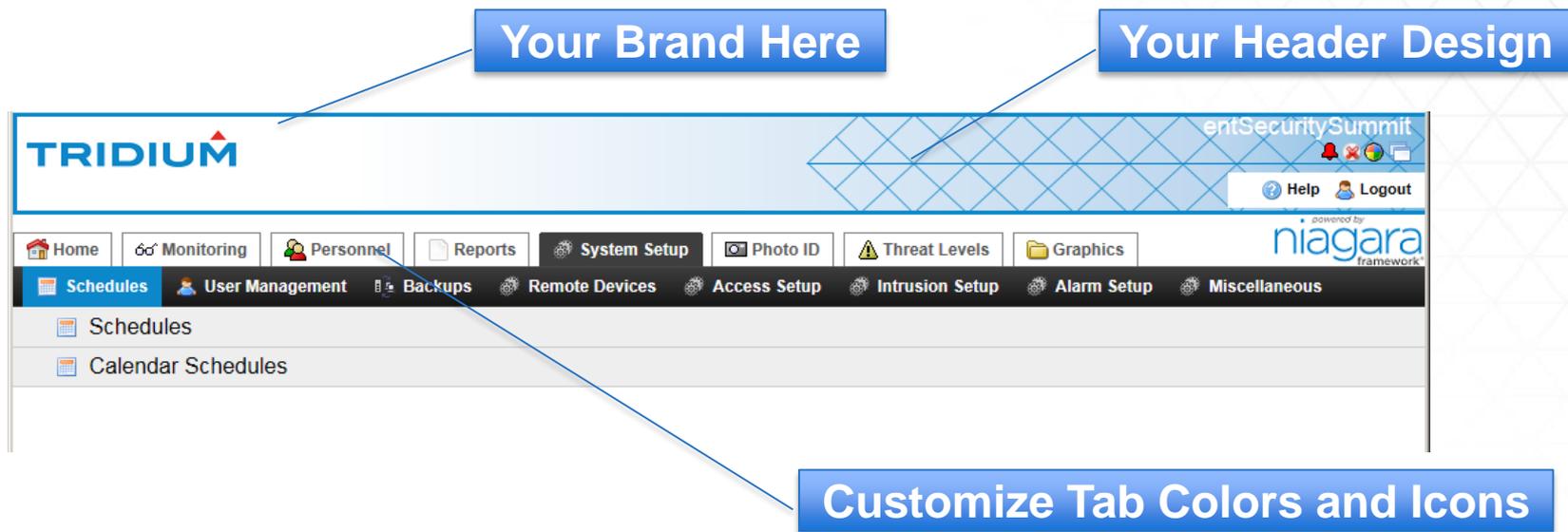
The enclosures provide a keyed lock and door supervision to ensure the security of your installation.

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Branding Requirements

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Application Branding

Niagara Enterprise Security application must be branded for resale.

Your Brand Here

Your Header Design

Customize Tab Colors and Icons

Niagara Enterprise Security help and guides may be branded. (Optional)

Hardware Branding

Enclosures and Modules must be branded for resale.

Your Logo and Colors

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