niagara
enterprise security
field hardware

PRODUCT DEFINITION

Field hardware used for the Niagara Enterprise Security application includes remote reader modules, remote IO modules and intrusion keypads. The modules are connected to a JACE® embedded controller platform to remotely control and monitor security and access control devices. Using a standard RS-485 multi-drop communication bus, the modules can be located up to 4,000 feet from the JACE.

REMOTE READER MODULES

Remote reader modules provide an interface for two typical access controlled doors. Two Wiegand reader ports compatible with most standard Wiegand proximity readers are included, along with four supervised inputs for monitoring the status of doors and requests-to-exit, and two form C relay outputs for controlling door locks. Two additional non-supervised inputs are provided for monitoring the status of the enclosure door or power supply.

REMOTE IO MODULES

Remote IO modules provide eight supervised inputs for monitoring dry contacts from security devices, such as motion sensors, glass break detectors, door and window status switches, and other critical building alarms. Eight form C relay outputs may be used for controlling alarm indicating devices, elevator floor control, alarm dialers, door locks and other building equipment. Two additional non-supervised inputs are provided for monitoring enclosure door status or power supply status.

INTRUSION KEYPADS

Intrusion keypads are remote intrusion displays/ keypads used to arm, disarm and monitor intrusion zones. The integral LCD display features a backlit 128x64 pixel resolution. Intrusion zone status and alarms are shown on the display. Alarms are annunciated on the piezo-electric sounder. The backlit keypad includes four function keys and 12 data keys.

SYSTEM CAPACITIES

	T-SEC-602/616	JACE 8000
Smartkey network	6 intrusion keypads	6 intrusion keypads
Access network	15 remote reader modules and/ or remote IO modules in any combination	16 remote reader modules and/ or remote IO modules in any combination

ORDERING INFORMATION

Part number	Description
T-SEC-R2R	Remote reader module includes connections for 2 card readers, 4 supervised inputs, 2 form c relay outputs and 2 digital inputs Manufactured in the USA
T-SEC-RIO	Remote IO module includes connections for 8 supervised inputs, 8 form c relay outputs and 2 digital inputs Manufactured in the USA
SEC-INT-KP*	Intrusion keypad with LCD display and keypad for arming and disarming intrusion zones

*not sold in EMEA

powered by

niagara
framework®

HARDWARE SPECIFICATIONS

Remote reader module

- Supply voltage: 12-15 VDC, .07 A
- (4) supervised digital inputs
- (2) form c relay outputs, 3A @ 24 V
- (2) digital inputs
- (2) Wiegand card reader ports
- (1) RS-485 communication port
- 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
- DIN rail or surface mount

Remote IO module

- Supply voltage: 12-15 VDC, .4 A
- (8) supervised digital inputs
- (8) form c relay outputs, 3A @ 24 V
- (2) digital inputs
- (1) RS-485 communication port
- 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
- DIN rail or surface mount

Intrusion keypad

- Supply voltage: 12-15 VDC, .15 A
- Backlit 128x64 pixel LCD display
- Backlit 16-button keypad
- (1) RS-485 communication port
- Operating temperature range: -10°C to 44°C (14°F to 131°F)
- Relative humidity range: 5% to 95%, non-condensing
- Wall mount

Field hardware for the Niagara Enterprise Security application is available through a wide variety of original equipment manufacturers. Our open distribution business model and open protocol support allow a vendor-neutral application compatible with devices and systems throughout the world.

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

NIAGARA FOR ENTERPRISE SECURITY

JACE® 8000

Reader module

Access control

IO module

Intrusion keypad

AGENCY CERTIFICATIONS

Remote reader module and remote IO module

- FCC part 15 Class A
- CE
- UL 294
- RoHS

Intrusion keypad

- CE
- EMC Directive: 89/336/EEC

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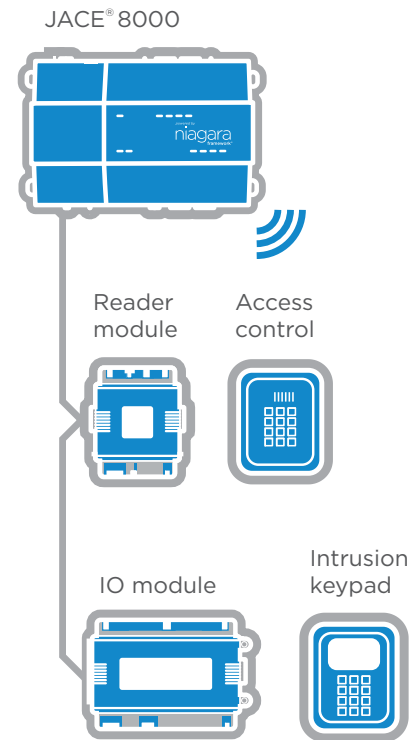| Headquarters *North America* 1 804 747 4771	Support *North America & Latin America* 1 877 305 1745	*Europe, Middle East & Africa* 44 1403 740290	*Asia Pacific* 8610 5669 7148

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