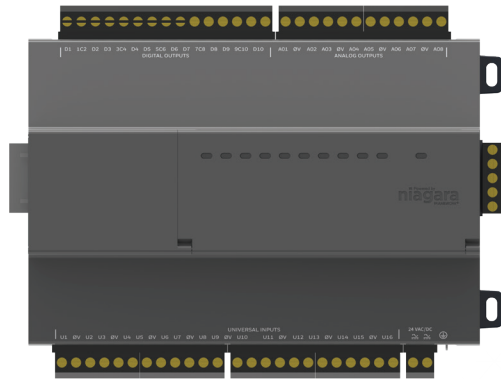# JACE IO R

PRODUCT DEFINITION

IO R is part of Tridium's portfolio of hardware, software and tools designed for remote monitoring and control applications that enables end-to-end automation and device-to-enterprise integration. IO R allows a JACE® contoller to interface directly with simple non-intelligent inputs and outputs remotely located up to 4,000 feet from the JACE. The connection is established via an industry-standard RS 485 multi-drop communications bus. Multiple IO R devices can be utilized on a single JACE, providing 250+ IO points on a single JACE.

IO-R-16   IO-R-34

SPECIFICATIONS

Niagara 4 – Requires Niagara 4.3 or later
Niagara AX – Requires Niagara 3.8u3 or later

IO-R-16

8 Universal inputs: Type 3 (10k) thermistors, 0-100K ohm, 0-10VDC, 0-20 mA with external resistor

4 Relay outputs (Form A contacts, 24VAC @ .5 amp rated)

4 Analog outputs (0-10VDC)

Powered from IO-R-34

Connected to JACE remotely over a shielded RS485 bus

IO-R-34

16 Universal inputs: Type 3 (10k) thermistors, 0-100K ohm, 0-10VDC, 0-20 mA with external resistor

10 Relay outputs (Form A contacts, 24VAC @ .5 amp rated)

8 Analog outputs (0-10VDC)

Powered from a 24VAC/DC source

Can power up to 4 IO-R-16 modules

Connected to JACE remotely over a shielded RS485 bus

powered by

niagara
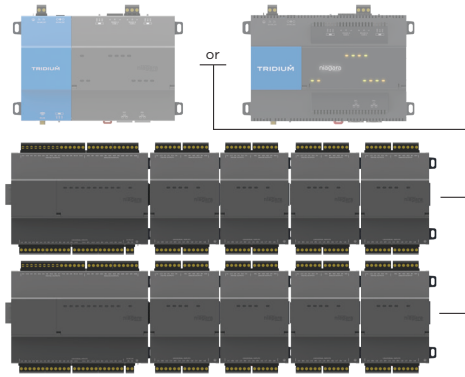**framework®**

EXPANDABILITY

MAXIMUM EXPANSION

- (8) IO-R-34s

  or

- (16) IO-R-16s

POWER

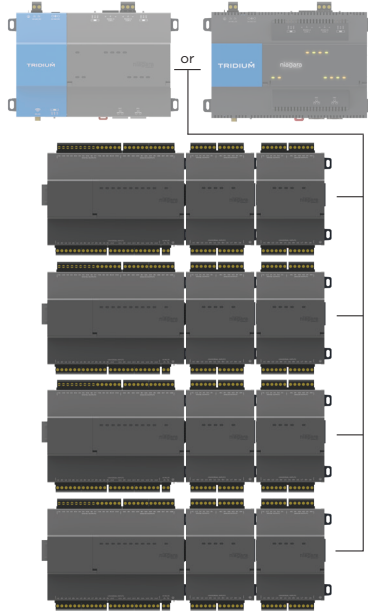One IO-R-34 can power four IO-R-16 modules

COMMON CONFIGURATIONS
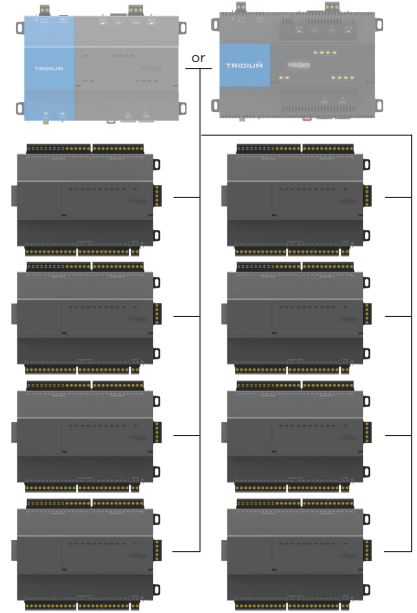
Maximum configuration for 2 panels

Shown with maximum of 4 IO-R-16s per IO-R-34

Maximum configuration for 4 panels

Maximum configuration for 8 panels
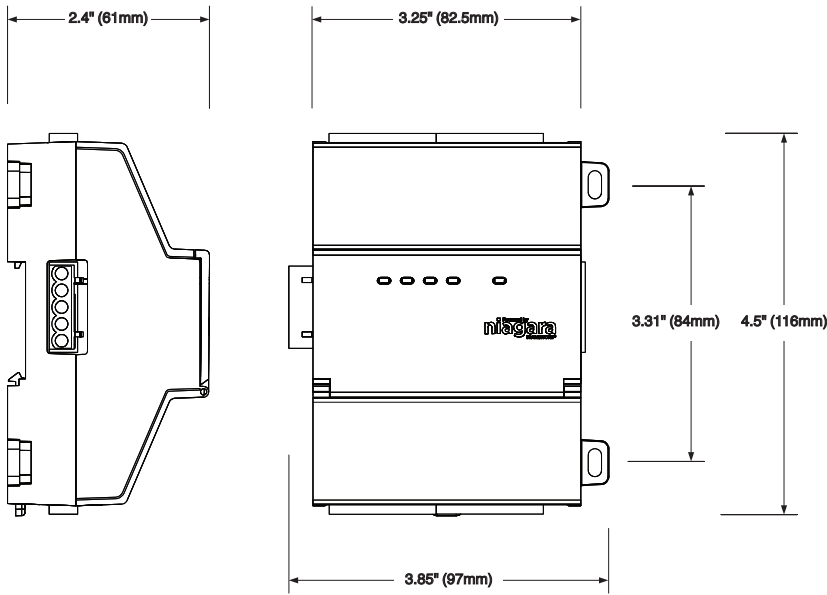

AGENCY CERTIFICATIONS

- UL 916
- C-UL
- CE EN 61326-1:2013
- RCM

- FCC part 15, class b
- RoHS2
- REACH
- WEEE

- China ROHS
- Open Energy Management Class 2

MOUNTING & DIMENSIONS

The JACE IO modules support mounting on EN50022 standard 7.5mm x 35mm DIN rail or panel mounting.
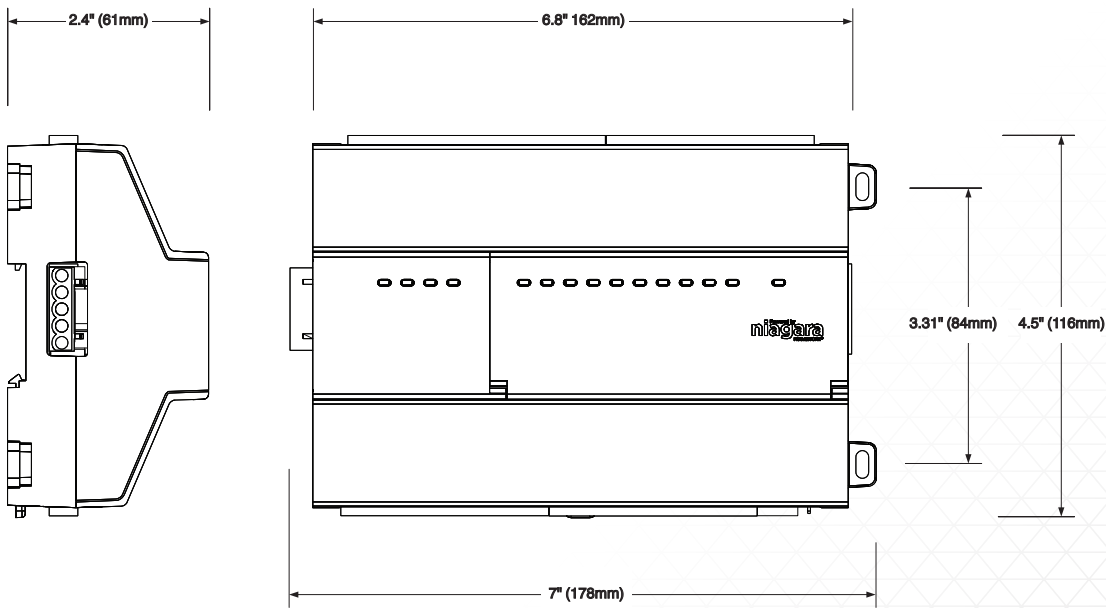
IO-R-16

82.5mm (w) x 116mm (h) x 61mm (d) (3.25 in x 4.5 in x 2.4 in)

2.4" (61mm)   3.25" (82.5mm)   3.31" (84mm)   4.5" (116mm)   3.85" (97mm)

IO-R-34

162mm (w) x 116mm (h) x 61mm (d) (6.8 in x 4.5 in x 2.4 in)

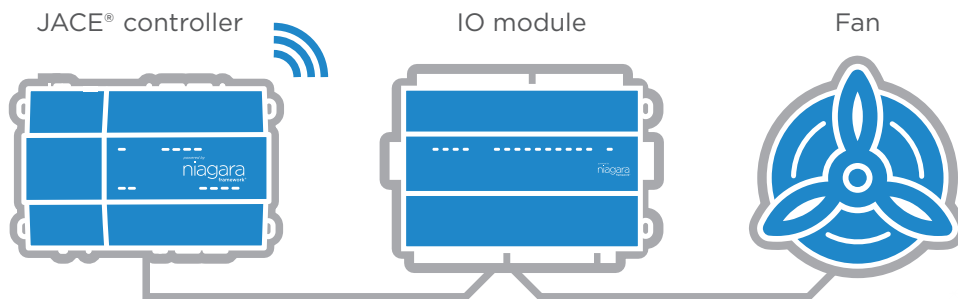2.4" (61mm)   6.8" 162mm)   3.31" (84mm)   4.5" (116mm)   7" (178mm)

TRIDIUM

ORDERING INFORMATION

Part number	Description
IO-R-16	16 Point IO Module. Powered by IO-R-34. Connected to JACE® 8000 or 9000 remotely over RS485.
IO-R-34	34 Point IO Module. Powered by 24VAC. Capable of powering 4 IO-R-16 modules. Connected to JACE 8000 or 9000 remotely over RS485.

NIAGARA FOR REMOTE MONITORING APPLICATIONS

JACE® controller   IO module   Fan

The JACE IO R 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.

TRIDIUM

tridium.com

Locations and customer support, worldwide

Headquarters	**Support**		
North America	*North America & Latin America*	*Europe, Middle East & Africa*	*Asia Pacific*
1 804 747 4771	1 877 305 1745	44 1403 740290	86 400 818 6088