

JACE IO R

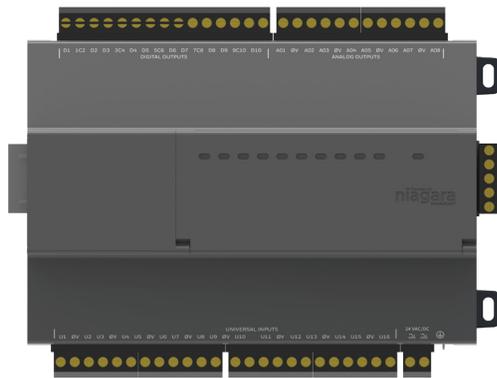
PRODUCT DEFINITION

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® controller 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

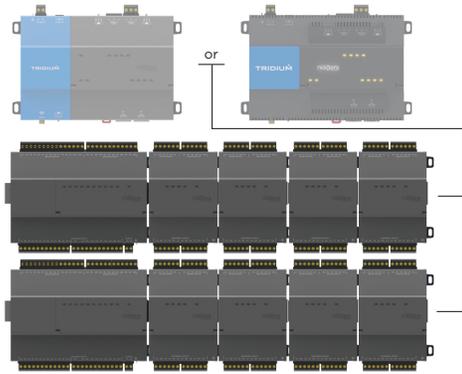
- (8) IO-R-34s
or
- (16) IO-R-16s

POWER

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

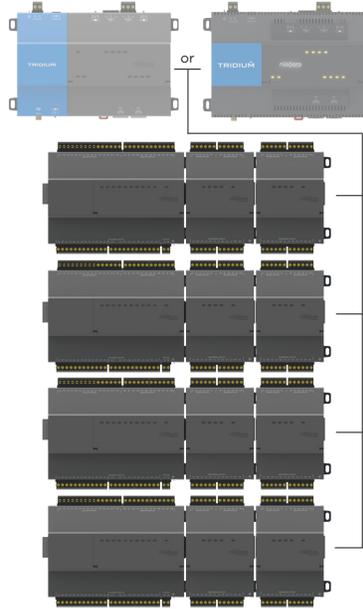
COMMON CONFIGURATIONS

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

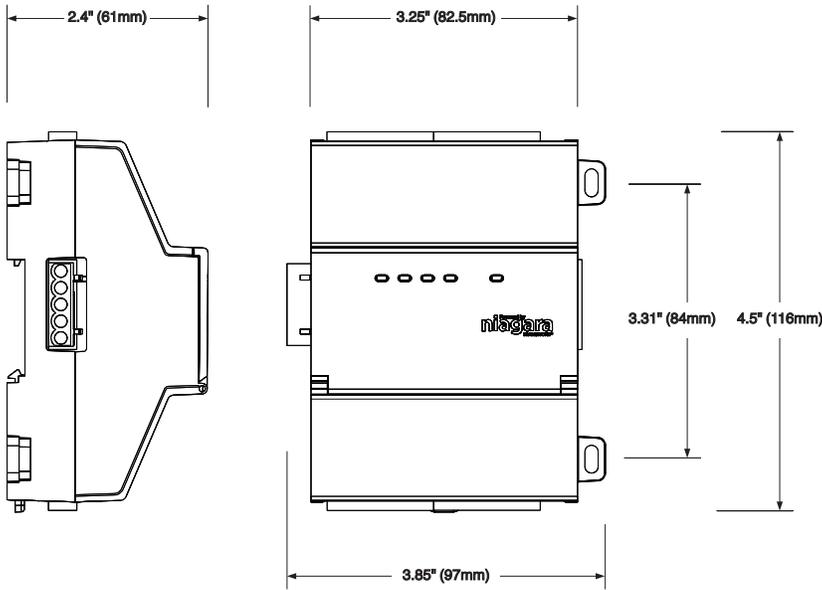
- UL 916
- C-UL
- CE EN 61326-1:2013
- RCM
- FCC part 15, class b
- RoHS2
- REACH
- WEEE
- China ROHS
- Open Energy Management Class 2

MOUNTING & DIMENSIONS

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

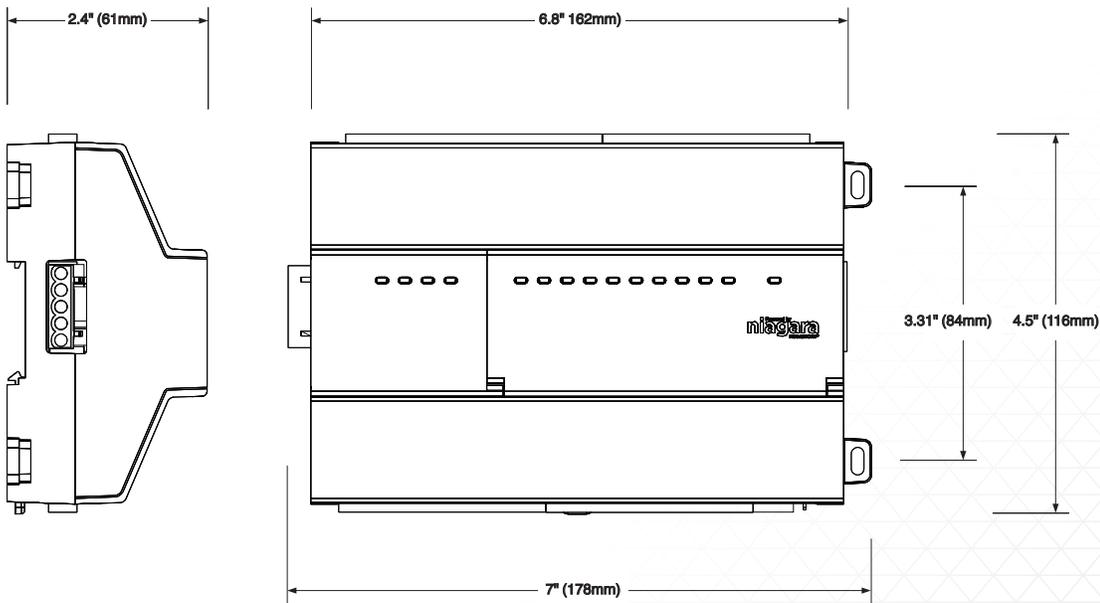
IO-R-16

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



IO-R-34

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

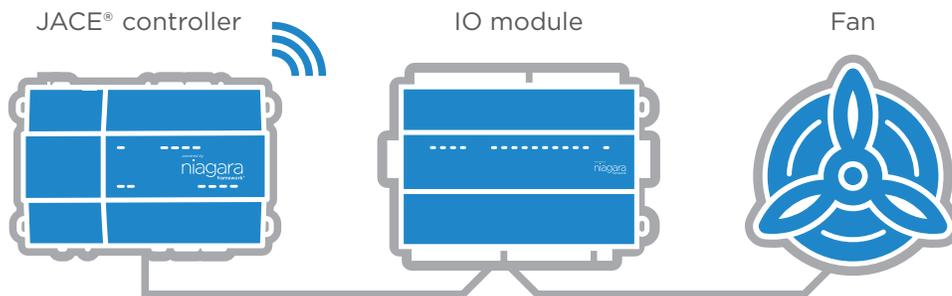




ORDERING INFORMATION

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



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.com

Locations and customer support, worldwide

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Europe, Middle East & Africa
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