

JACE 834

equipment controller

PRODUCT DEFINITION

The JEC-834 is part of the Niagara portfolio of Java-based controller/server products, software applications and tools. The Niagara Framework® is the industry's leading software technology for integrating diverse systems and devices and for handling a full range of popular protocols. With Niagara, disparate systems with siloed data can be unified into a seamless workflow. Niagara Framework® includes integrated management tools to support the design, configuration and maintenance of a unified, real-time controls network. The JEC-834's Input/Output modules with low voltage power supply make this package ideal for equipment control.

APPLICATIONS

Use the JEC-834 to control and monitor HVAC equipment, lighting and meters. The included Input/Output module provides 34 discrete I/O points for local control which can be expanded to more than 250 points of discrete I/O using additional IO R modules. In addition, the JEC-834 supports further expansion when licensed to also control other remote devices. The JEC-834 serves data and rich graphical displays to a standard web browser via an Ethernet LAN or remotely over the Internet. In larger facilities, multi-building applications and large-scale control system integrations, Niagara Supervisor™ software can be used to aggregate information (real-time data, history, alarms, etc.) from large numbers of JACEs into a single unified application.

The JACE Equipment Controller (JEC-834) is an embedded controller/server platform designed for monitoring and control applications. The JEC-834 is bundled with a 34 point IO R module and with the same open drivers as the JACE 8000 family of controller/server products.

key features

- 34 hardware control points (expandable with other IO R modules).
- Further expansion using standard JACE 8000 drivers
- Web User interface serves rich HTML5 presentations and live data to any browser
- Supports JACE 8000 Communications Modules
- 24 volt AC/DC power supply input
- Din Rail mountable for quick installation



ORDERING INFORMATION

Part number	Description
JEC-834	JACE®-8000 with 34 point I/O module. JACE 8000 Controller, microSD card, 2 10/100 Mb Ethernet ports, 2 RS-485 serial ports. Licensed for 0 Devices/0 Proxy Points. Includes standard open drivers. Requires 24 VAC or 24 VDC Power Source. Option cards required for communication to remote devices are not included. An 18-month software maintenance agreement (SMA) is required for the initial order. 3 or 5 year agreement may be substituted.
	OPTIONS
DEVICE-1	Add 1 device/50 points to initial order
DEVICE-10	Add 10 devices/500 points to initial order
DEVICE-25	Add 25 devices/1,250 points to initial order
DEVICE-50	Add 50 devices/2,500 points to initial order
DEVICE-UP-1	Upgrade of 1 device/50 points to existing license
DEVICE-UP-10	Upgrade of 10 devices/500 points to existing license
DEVICE-UP-25	Upgrade of 25 devices/1,250 points to existing license
DEVICE-UP-50	Upgrade of 50 devices/2,500 points upgrade to existing license
IO-R-16 (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 8000 remotely over a shielded RS485 bus
IO-R-34 (8)	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 8000 remotely over a shielded RS485 bus
NPB-8000-2X-485	JACE 8000 controller—add on dual port RS-485 module
NPB-8000-LON	JACE 8000 controller—add on dual port RS-485 module
NPB-8000-232	JACE 8000 controller—add on single port RS-232 module
WPM-8000	JACE 8000 100-240V universal power supply

Find additional data sheets for the Niagara Enterprise Security application on Tridium's website

The JACE 8000 controller 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

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