

▶ Delta Niagara

JACE® 9000

Description

The JACE 9000 is a compact, embedded IoT (Internet of Things) controller and server platform for connecting multiple and diverse devices and sub-systems.

With internet connectivity and web-serving capability, the JACE 9000 controller provides integrated control, supervision, data logging, alarming, scheduling and network management. It streams data and rich graphical displays to a standard web browser via an Ethernet or wireless LAN, or remotely over the internet.

The licensing model for the JACE 9000 controller is simplified and features standard drivers, along with optional I/O and field bus expansion modules for ultimate flexibility and expandability.

The JACE 9000 controller operates with Niagara 4, the latest version of the Niagara Framework®, for optimum performance. In larger facilities, multi-building applications and large-scale control system integrations, Niagara 4 Supervisors can be used with JACE controllers to aggregate information, including alarms, and historical and real-time data, to create a single, unified application.



Specifications

Power

Supply requirements: 24 VAC rated at 24 VA minimum, or 24 VDC rated at 1 A (24 W) minimum*

Technology

NXP iMX8M+ Quad Core CPU
2 GB LPDDR4 RAM
8 GB onboard eMMC storage
Removable 8 GB microSD card
Secure boot
Runs Niagara 4.13 and later
Real-time clock
Batteryless

Communication

2 10/100/1000 MB Ethernet ports
2 isolated RS-485 with selectable bias and termination
USB-C debug port

* Niagara Enterprise Security requires 4 hours of standby power

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Ordering

A complete product list is available on orders.deltacontrols.com.

JACE 9000 Controllers

Each controller requires additional core software and service maintenance licenses, which are sold separately.

JACE-9000-NoWiFi	Unlicensed controller, two isolated RS-485 ports, two 10/100/1000 MB Ethernet ports
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JACE Hardware Accessories

NPB-8000-2X-485	Dual port RS-485 module add-on
NPB-8000-LON	Single port LON FTT10A module add-on
NPB-8000-232	Single port RS-232 module add-on
WPM-8000	Universal power supply for JACE 8000 & 9000 controllers
IO-R-16	Optional 16 point I/O RS-485 module, 8 universal inputs, 4 Form A relay outputs, 4 0-10 VDC analog outputs
IO-R-34	Optional 34 point I/O RS-485 module, 16 universal inputs, 10 Form A relay outputs, 8 0-10 VDC analog outputs

License Bundles

Combines core software and matching service maintenance licenses for ease of ordering. The JACE 9000 controller is sold separately. Similar license bundles are also offered with 3-year and 5-year service maintenance periods, and for a variety of different total device and point limits.

NC-9005+18M-SMA	5 device, 250 point software license, 18 months software service maintenance
NC-9010+18M-SMA	10 devices, 500 point software license, 18 months software service maintenance
NC-9025+18M-SMA	25 devices, 1250 point software license, 18 months software service maintenance
NC-9100+18M-SMA	100 devices, 5000 point software license, 18 months software service maintenance
NC-9200+18M-SMA	200 devices, 10,000 point software license, 18 months software service maintenance

Licenses can be upgraded after purchase to increase the device and points limit. Once the initial maintenance license expires, maintenance must be renewed to remain eligible for software updates on that product. Maintenance renewals can be ordered through the Delta Controls Orders website and requires the Host ID of the controller being renewed.

Specifications (Cont'd)

Ambient

-20°C to 60°C (-4°F to 140°F)
5% to 95% RH (non-condensing)

Dimensions

171 × 110 × 61 mm (6.74 × 4.33 × 2.40 in.)

Compliance

UL 916
CE EN 61326-1
RCM
FCC Part 15 Subpart B, Class B
FCC Part 15 Subpart C
C-UL listed to CSA C22.2 No. 205-M1983
1999/5/EC R&TTE Directive
CCC
SRRC
RSS
RoHS

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Subject to change without notice.