SDC
Solar District Cooling

Tri-IO
Powered by Niagara

JACE 9000

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 webserving 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 IO 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

Maximum Combinations

Expansion 1	Expansion 2	Expansion 3	Expansion 4
232 OR LON	232 OR LON	232 OR LON	232 OR LON
485 485	232 OR LON	232 OR LON	232 OR LON
485 485	485 485	232 OR LON	
485 485	485 485		

Expansion Module & IO Configuration

Maximum Expansion (Modules Supported)

- NPB-8000-LON (4)
- NPB-8000-232 (4)
- NPB-8000-2X-485 (2)
- IO-R-16 (16)
- IO-R-34 (8)
- T-SEC-R2R
- T-SEC-RIO

Key Features

- Data analysis at the onsite JACE controller level
- Real-time on premise analytic control

Controller Mounting & Dimension

- JACE 9000 controller. Allow at least 1.5" (38mm) clearance around all sides and minimum 3" (76mm) at bottom for optional Wi-Fi antenna
- Expansion module. Up to four (4) may be used. See "Expansion Module and IO Configurations"
- Distances between center of tabs from one unit to another unit

Information Software

Every JACE 9000 is available with a Niagara 4.13 or higher software license and Tridium's standard drivers. Purchase of a software maintenance agreement (SMA) is required with initial JACE licensing. The initial SMA is for 18 months, with extended agreements of 3 years and 5 years available for discounted rates.

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www.sdc.my

SPECIFICATIONS

- NXP iMX8M + Quad Core CPU

- 2GB LPDDR4 RAM

- 8GB Onboard EMMC Storage

- Wi-Fi (Client Or WAP)
  - Wi-Fi 5 (802.11ac)
  - 1x1 802.11 a/b/g/n/ac
  - Configurable radio
    (Off, WAP, or Client)

- USB type C connector
- Debug port

- 2) isolated RS-485 with selectable bias and termination

- (2) 10/100/1000MB Ethernet ports

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

- Runs Niagara 4: 4.13 and later

- Real-time clock

- Batteryless

AGENCY CERTIFICATIONS

| UL 916 | CE EN 61326-1 | RCM |

FCC Part 15 Subpart B, Class B

FCC Part 15 Subpart C

C-UL listed to Canadian Standards Association (CSA) C22.2 No. 205-M1983 "Signal Equipment"

1999/5/EC R&TTE Directive

| CCC | SRRC | RSS | RoHS |