JACE 9000
controller

The JACE® 9000 controller is Tridium's hardware platform optimized for Niagara 4*. This controller is a dramatic evolution in connecting and controlling devices worldwide, featuring a new global design that functions with legacy systems and has the ability to scale for future needs.

EFFICIENT GLOBAL DESIGN

The modular design of the JACE 9000 controller makes it easy to install, integrate and deploy. Tool-less installation with expansion capability reduces installation complexity and improves flexibility. Systems integrators can focus on engineering solutions, not assembling components. And their lives will be simplified with a global power supply and improved access to standard enclosures.

INCREASED PERFORMANCE

With a Quad Core processor and double storage and RAM, the JACE 9000 offers increased performance and capacity with faster bootup and station load time. The JACE 9000 is fully compatible with existing expansion models and the same footprint as past models allows for seamless replacement for future updates. The JACE 9000 can also be ordered without the wireless interface if needed.

OPTIMIZED FOR NIAGARA 4

The JACE 9000 controller leverages the exciting features of Niagara 4*. It adds to the enhanced user experience, maximizing Niagara 4's key advantages: pure Web interface based on HTML5 with HTML5 views, responsive UI, charting and data visualization, a common design language, better reporting, robust security and improved device management.

*Supported running Niagara Framework® 4.13 or higher
*WiFi support requires Niagara Framework® 4.15 or higher

The JACE 9000 controller is optimized for Niagara 4, easy to install and scalable for future needs

key features

GLOBAL CAPACITY LICENSING AND UPGRADE CAPABILITY

Determine the number of devices that will be integrated and select the right capacity license from the start. License upgrades can be purchased in the future as your needs grow.

MODULAR HARDWARE DESIGN FOR FAST AND EASY INSTALLATION

Controller and option modules are designed for easy mounting on a 35mm-wide DIN rail.

EXPANDABLE WITH UP TO FOUR OPTION MODULES

Option modules directly attach to the controller for additional communications ports, including types for LonWorks®, IO R modules, RS232 and RS485 networks.

ROLE BASED ACCESS CONTROL

Provides access control for users by security role.

AUTHORIZATION AT API LEVEL

Controls what individual software components can do.

INTUITIVE USER INTERFACE

Users can easily check system status by glancing at the front panel LEDs to diagnose network issues.

ENCRYPTION

- All communications encrypted by default
- Meets the FIPS 140-2 federal standard
- Supports TLS 1.3

Sensitive data is encrypted on disk at rest

CONNECTIVITY PROFILES

- Separate SKU for Native Wi-Fi 5 capability (WAP or Client) 1x1 802.11 a/b/g/n/ac networks
- Two 10/100/1000 Mb Ethernet ports
- Two isolated RS485 ports
- Optional LON FTT10, RS485 & RS232 expansion

24VAC/DC—STANDARD GLOBAL POWER SUPPLY

DIGITALLY SIGNED CODE, VALIDATED AT RUN-TIME

Assures that core framework code can't be altered or manipulated. 3rd party module signing is required by default & provides visibility to administrator.

HARDWARE SECURITY: JACE 9000 SECURE BOOT & HSM

Hardware root-of-trust. Only boots our digitally-signed trusted software, providing assurance against alteration. Also, Hardware Security Module provides hardware protection of private key for device authentication.

AUTHENTICATION

Pluggable schemes provide flexibility and defaults are the most secure. Multi-Factor Authentication (MFA) option available with Google 2 Factor Authentication, Includes digital certificate authentication (Kiosk Mode) & 802.1x device network authentication.

IDENTITY INFRASTRUCTURE AND PKI INTEGRATION

Integrate with any PKI infrastructure, LDAP directories, Kerberos, and SAML 2 Identity Providers for Single Sign-On. 802.1x device authentication to the network and SAML IDP integrated with Niagara.

AUDITING OF USER ACTIVITIES

User access is logged to customized levels with enhanced Security Audit Log & security facets.

SECURITY SITUATIONAL AWARENESS

Security Dashboard provides an actionable view into security posture of your systems & other connected Niagara systems on your network.

COMMON-SENSE USER ACCOUNT MANAGEMENT

Configurable security mechanisms for attack prevention (lockouts, password strengths, etc.).

To learn more about how to purchase, install and start using the JACE® 9000 controller, contact your VYKON partner. The global community of certified Niagara professionals can serve your unique business needs across any industry or geographic region.

VYKON
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