



J-8000

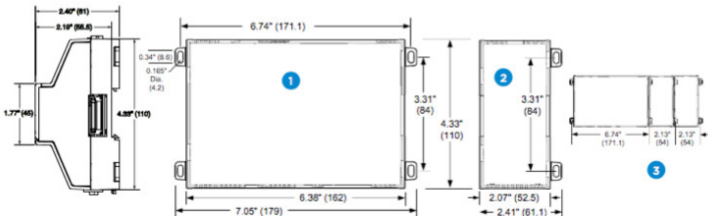
JACE 8000

DESCRIPTION

The JACE 8000 is a compact, embedded Niagara Framework®-based controller and server platform for connecting multiple and diverse devices and sub-systems. It's designed as a Network Automation Controller optimized for BAS applications. With Internet connectivity and Web-serving capability, the JACE 8000 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.

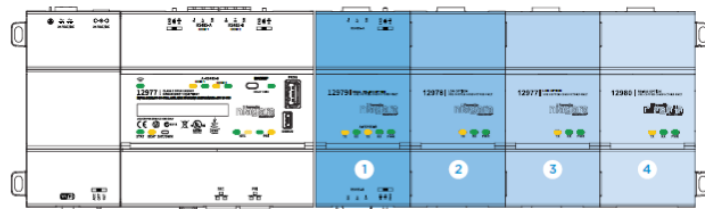
The licensing model for the JACE 8000 controller features standard drivers along with optional IO and field bus expansion modules for ultimate edibility and expandability. The JACE 8000 controller is optimized for Niagara 4, which takes a "defence-in-depth" approach to Internet of Things security and is secure by default. In larger facilities, multi-building applications and large-scale control system integrations, Niagara 4 Supervisors can be used with JACE 8000 controllers to aggregate information, including real-time data, history and alarms, to create a single, united application.

DIMENSIONS



Compatible with (DIN43880) enclosures
Suitable for mounting to a panel or to an EN50022 standard 35mm rail

WIRING DIAGRAM



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		

Expandability is dependent on the type of expansion module used

SPECIFICATION

General	<ul style="list-style-type: none"> • TI AM3352: 1000MHz ARM® Cortex™-A8 with secure boot • 1GB DDR3 SDRAM • Removable micro-SD card with 4GB flash total storage/2GB user storage • Wi-Fi (Client or WAP) IEEE802.11a/b/g/n • IEEE802.11n HT20 @ 2.4GHz • IEEE802.11n HT20/HT40 @ 5GHz • Configurable radio (Off, WAP, or Client) • WPAPSK/WPA2PSK supported • USB type A connector • Back-up and restore support • (2) isolated RS-485 with switch-selectable bias and termination • (2) 10/100MB Ethernet ports • 24VAC/DC power supply • Runs Niagara 4.1 and later • Real time clock • Batteryless • Supports SSL and TLS encryption
Environment	<ul style="list-style-type: none"> • Operating temperature: -20~60°C • Storage temperature: -40~85°C • Humidity: 5%-95% - Non condensing • Shipping & vibration: ASTM D4169, Assurance Level II • MTTF: 10 years+
Agency listings	<ul style="list-style-type: none"> • UL 916 • CE EN 61326-1 • 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

ORDER REFERENCES

EIO-J-8005	JACE 8000 for 5 devices/250 point core
EIO-J-8010	JACE 8000 for 10 devices/500 point core
EIO-J-8025	JACE 8000 for 25 devices/1,250 point core
EIO-J-8100	JACE 8000 for 100 devices/5,000 point core
EIO-J-8200	JACE 8000 for 200 devices/10,000 point core
EIO-DEVICE-10	Add 10 devices/500 points to initial order
EIO-DEVICE-25	Add 25 devices/1,250 points to initial order
EIO-DEVICE-50	Add 50 devices/2,500 points to initial order
EIO-DEVICE-UP-10	Upgrade of 10 devices/500 points to existing license
EIO-DEVICE-UP-25	Upgrade of 25 devices/1,250 points to existing license
EIO-DEVICE-UP-50	Upgrade of 50 devices/2,500 points upgrade to existing license
EIO-NPB-8000-2X-485	JACE 8000 controller - add on dual port RS-485 module
EIO-NPB-8000-LON	JACE 8000 controller - add on single port LON FTT10A module
EIO-NPB-8000-232	JACE 8000 controller - add on single port RS-232 module
EIO-WPM-8000 J	JACE 8000 100-240V universal power supply
EIO-IO-16-485	Remote IO module, compatible with the JACE 8000 controller. Communication using RS 485, maximum IO supported IO-16-485 modules: 16
EIO-NPB-PWR	24V power supply for IO-16-485
EIO-NPB-PWR-UN	Universal power supply for IO-16-485

JACE 8000s include a Niagara 4 license and standard drivers. Please see EasyIO Niagara 4 drivers documentation for more details.

EXPANSION MODULES AND IO

Maximum Expansion (Modules Supported)	<ul style="list-style-type: none"> • NPB-8000-LON (4) • NPB-8000-232 (4) • NPB-8000-2X-485 (2)
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Maximum IO (Modules Supported)	<ul style="list-style-type: none"> • IO-16-485 (16)
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