

JENE-PC6000e Series Controllers

A JENE-PC6000e controller is a compact, embedded controller/server platform. Building on the JENE-PC6000 series, it combines integrated control, supervision, data logging, alarming, scheduling and network management functions with Internet connectivity and web serving capabilities in a small, compact platform. A JENE-PC6000e makes it possible to control and manage external devices over the Internet and present real time information to users in web-based graphical views.

A JENE-PC6000e is a member of the JENEsys® suite of Java-based controller/ server products, software applications and tools, which are designed to integrate a variety of devices and protocols into unified, distributed systems. JENEsys® products are powered by the revolutionary Niagara^{AX} Framework®, the industry's first software technology designed to integrate diverse systems and devices into a seamless system. Niagara supports a wide range of protocols including LonWorks™, BACnet™,



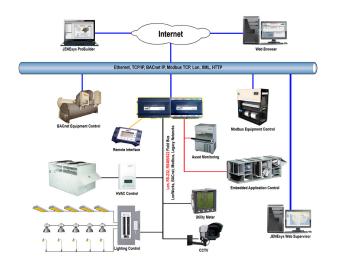
Modbus, oBIX and Internet standards. The AX Framework also includes integrated network management tools to support the design, configuration, installation and maintenance of interoperable networks.

The JENE-PC6000e enhancements include data recovery services for batteryless operation and increased operating ambient temperature. Battery maintenance is no longer necessary when using data recovery services. However, the JENE-PC6000e can still be installed with an optional battery and can provide up to 10 minutes of operation during power outages and disturbances if equipped.

Applications

A JENE-PC6000e controller is ideal for smaller facilities, remote sites and for distributing control and monitoring throughout large facilities. Optional input/output modules can be plugged in for applications where local control is required. The JENE-PC6000 also supports a wide range of field buses for connection to remote I/O and stand-alone controllers. In small facility applications, the JENE-PC6000 is all you need for a complete system.

A JENE-PC6000e serves data and rich graphical displays to a standard web browser via an Ethernet LAN or remotely over the Internet, dial-up or GPRS modems. In larger facilities, multi-building applications and large-scale control system integrations, JENEsys® AX Supervisor software can be used to aggregate information (real-time data, history, alarms, etc.) from large numbers of JENEs into a single, unified application. A JENEsys® AX Supervisor can manage global control functions, support data passing over multiple networks, connect to enterprise level software applications and host multiple, simultaneous client workstations connected over the local network, the Internet and dial-up or GPRS modems.



- Embedded PowerPC Platform @ 524Mhz
- Two RJ-45 Ethernet ports, one RS-232 port, one RS-485 port and two 32 pin option card slots
- · Supports BACnet, LON, FOX, Modbus, oBIX and legacy protocols
- · Fully-customizable with an array of software drivers and custom modules
- Optional 16 and 34 point connected I/O modules and 16 point remote I/O module
- Stand-alone application control, energy management and multi-protocol integration
- Data Recovery Services prevents data loss during power interuptions
- · Optional battery is available for extended runtime





Specifications

Platform:

- · PowerPC 440EP 524MHz Processor
- 128MB DDR RAM & 128 MB Serial Flash (optional 256 MB DDR RAM)
- · SRAM Data Recovery Services
- Real-time clock 3 month backup max via battery life

Operating System:

- QNX RTOS (Real-time Operating System)
- · Oracle Hotspot Java 5 VM
- Niagara^{AX} 3.6 or later

Communications:

- 2 Ethernet Ports 10/100 Mbps (RJ-45 Connectors)
- 1 RS-232 Port (9 pin D-shell connector)
- 1 RS-485 Port (3-screw connector on base board)
- · 2 32 Pin Option Card Slots

Power Options:

- Direct connect (PIN compatible) with the JENE-PC-PWR & JENE-PC-PWR-UN power modules
- · External 15 Vdc power supply
- · Optional battery kit provides up to 10 minutes of runtime

Chassis:

- · Construction: Plastic, din rail or screw mount chassis, plastic cover
- · Cooling: Internal air convection
- Dimensions: 6.313" (16.04 cm) W x 4.820" (12.24 cm) H (including connectors) x 2.438" (6.19cm) D

Environment

- Operating temperature range: 0° to 60° C (32°F to 140°F)
- Operating temperature range: 0° to 50° C (32°F to 140°F) w/ optional battery kit
- Storage temperature range: 0° to 70°C (32°F to 158°F)
- · Relative humidity range: 5% to 95% ,non-condensing

Agency Listings

- · UL 916, FCC part 15 Class A, RoHS Compliant
- CE, C-UL listed to Canadian Standards Association (CSA) C22.2 No. 205-M1983 "Single Equipment"
- BTL B-BC BACnet Building Controller listed when the BACnet driver is installed and configured
- · C-tick (Australia)

Ordering Information

JENE-PC6000e Series Controllers

Model #	Description
JENE-PC6128e	JENE-PC6000e Controller 524MHz Processor with 128MB DDR RAM & 128MB Serial Flash
JENE-PC6128e	JENE-PC6000e Controller. Made in USA

Optional JENE-PC Series I/O Modules

Model #	Description
JM16-080404	JENE-PC1000/6000 Series 16 Point I/O Expansion Module
JM16-080404-USA	JENE-PC1000/6000 Series 16 Point I/O Expansion Module. Made in USA
JM34-160810	JENE-PC1000/6000 Series 16 Point I/O Expansion Module.
JM34-160810-USA	JENE-PC1000/6000 Series 16 Point I/O Expansion Module. Made in USA
J-T-IO-16-485	JENE-PC Series Remote 16 Point I/O Expansion Module

Optional JENE-PC Series Communication Cards

Model #	Description
JENE-PC-LONCARD	JENE-PC Series LonTalk Communication Card. Made in USA
JENE-PC-485	JENE-PC Series Dual Port RS-485, electronically isolated Communication Card. Made in USA
JENE-PC-232	JENE-PC Series RS-232 with 9 pin D-shell connector Communication Card. Made in USA
JENE-PC-MODEMCARD	JENE-PC Series 56 Kbps Modem Card. Made in USA
JENE-PC-GPRS-W	JENE-PC Series GPRS Modem Card - Include SIM card. Made in USA
JENE-PC-ZWAVE-US	JENE-PC Series ZWAVE Card - Communicates over radio 908.42 MHz Frequency at 40 Kbps. Made in USA
JENE-PC-SED-001	JENE-PC Series Sedona Wired/Wireless Communication Card with Antenna. Made in USA

Optional JENE-PC Series Power Supplies

Model #	Description
JENE-PC-PWR	JENE-PC Series 24 Vac/dc Power Supply Module, Din-Rail Mountable. Made in USA
JENE-PC-PWR-UN	JENE-PC Series 90-263 Vac 50/60 Hz Autosensing Power Supply Module, Din-Rail Mountable. Made in USA
JENE-PC-WWPM-120	JENE-PC Series Wall Power Module - 120 Vac, 60Hz (Wal-Wart)

