

Overview

Lynxspring's JENE-PC3000^e is a compact, embedded controller/server platform. 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. The JENE-PC3000^e makes it possible to control and manage external devices over the Internet and present real time information to users in web-based graphical views.

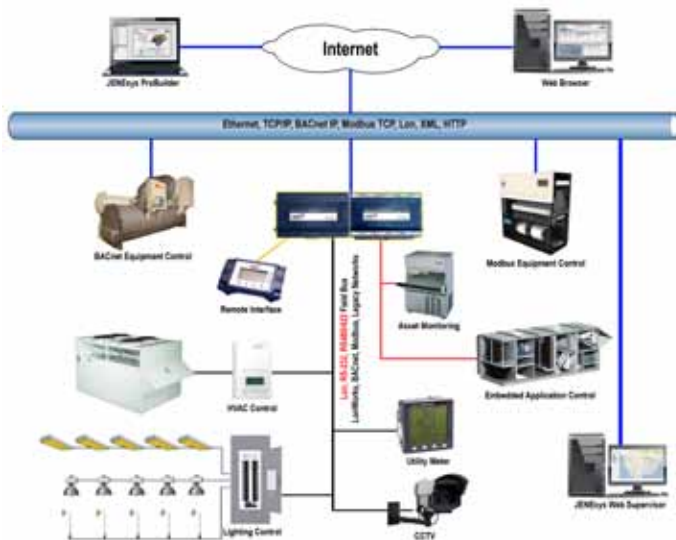
The JENE-PC3000^e is a member of the JENESys[®] suite of JAVA-based controller/server products, software applications and tools, which are designed to integrate a variety of devices and protocols into unified, distributed systems. Building upon the JENE-PC1000's success, the JENE-PC3000^e offers faster performance to utilize the new Niagara^{AX} features.

The JENESys[®] product suite 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 Niagara^{AX} Framework also includes integrated network management tools to support the design, configuration, installation and maintenance of interoperable networks.

Applications

A JENE-PC3000^e 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-PC3000^e also supports a wide range of field buses for connection to remote I/O and stand-alone controllers. In small facility applications, the JENE-PC3000^e is all you need for a complete system.

A JENE-PC3000^e serves data and rich graphical displays to a standard web browser via an Ethernet LAN or remotely over the Internet 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.



Features

- Embedded PowerPC Platform @ 400Mhz
- 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
- QNX Real-time Operating System
- Web User interface (standard) serves rich graphical browser presentations
- 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 interruptions
- Optional battery is available for extended runtime

Specifications

Platform:

- PowerPC 405EX 400MHz Processor
- 256MB SDRAM & 128 MB Serial Flash (optional 256 MB DDR RAM)
- SRAM Data Recovery Services
- Real-time clock

Operating System:

- QNX RTOS (Real-time Operating System)
- Oracle Hotspot Java VM
- Niagara^{AX} 3.7 or later
- Niagara 4.0 Ready

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"
- C-tick (Australia)

Ordering Information

JENE-PC3000e Series Controllers

Model #	Description
JENE-PC3000e	JENE-PC3000 ^o Controller 400MHz Processor with 128MB DDR RAM & 128MB Serial Flash
JENE-PC3-96-LIC	JENE-PC3000 ^o Memory Upgrade Option. Upgrades JAVA Heap from 24MB to 96MB

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 34 Point I/O Expansion Module.
JM34-160810-USA	JENE-PC1000/6000 Series 34 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-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)
JENE-PC-BPPM	JENE-PC Series Optional Battery Kit. Provides up to 10 minutes of runtime during power outages

