JENESys ™ by Lynxspring

• *Powered by* **niagara**^AX **FRAMEWORK**®

Product Description

The Lynxspring JENE-PC1000 controller 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 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 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 sys-tems. JENEsys™ products are powered by the revolutionary NiagaraAX 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™, and Internet standards. The AX Framework also includes integrated network management tools to support the design, configuration, installation and maintenance of interoperable networks.

Features and Application Highlights

The JENE-PC1000 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-PC1000 also supports a wide range of field busses for connection to remote I/O and stand-alone controllers. In small facility applications, the JENE-PC1000 is all you need for a complete system.

The JENE-PC1000 serves data and rich graphical displays to a standard web browser via an Ethernet LAN or remotely over the Internet, or dial-up modem. In larger facilities, multi-building applications and large-scale control system integrations, NiagaraAX Supervisor™ software can be used to aggregate information (real-time data, history, alarms, etc.) from large numbers of JENEs into a single unified application. The 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, or dial-up modem.

- Standard: Two RJ-45 Ethernet Ports, one RS-232 port, and one RS-485 port
- Interoperable: BACnet or LON ready, with the addition of I/O and communication modules
- Versatile: Fully-customizable with an array of off the shelf soft-ware drivers
- Reliable: All program data is backed up in nonvolatile EEPROM
- Fast: Onboard Ethernet communication provides rapid data transmission

Mounting

WARNING: Do not mount in a location subject to electrical noise. This includes the proximity of large electrical contractors, variable frequency drives, electrical machinery, welding equipment, spark igniters, and any high voltage producing equipment.
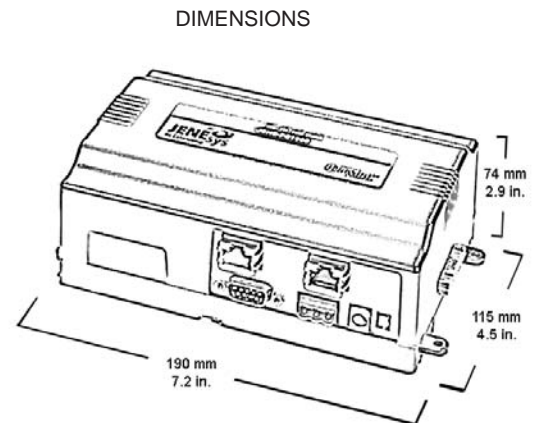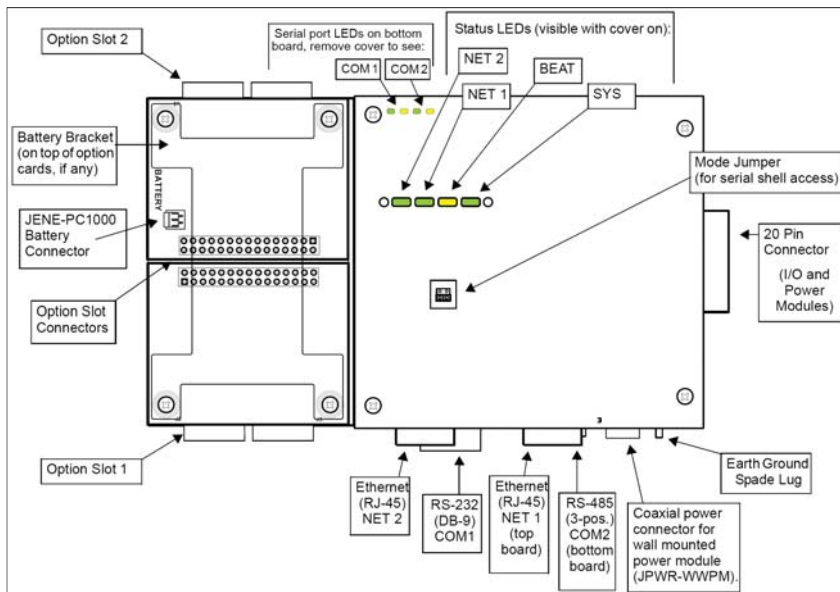
You must remove the JENE cover to install this unit. The cover snaps onto the base with four plastic tabs (two on each end). To remove the cover, press in the four tabs on both ends of the unit, and lift the cover off. To replace the cover, orient it so the cutout area for communications ports are cor-rect, and then push inwards to snap in place.

Mount the JENE in a horizontal position. It is necessary to remove the cover before mounting. Mount on a 35mm wide DIN rail. The JENE unit base has a molded DIN rail slot and locking clip. The following procedure provides step-by-step DIN rail mounting instructions for the JENE.

Step 1   Securely install the DIN rail using at least two screws, near both ends of the rail.
Step 2   Position the JENE on the rail, tilting to hook DIN rail tabs over one edge of the DIN rail.
Step 3   Push down and in to force the DIN rail clip to snap over the other edge of the DIN rail.
Step 4   To prevent the JENE from sliding on the DIN rail, place a screw in two of the four mounting tabs in the base of the JENE.

Please contact Lynxspring for more information about this product

Lynxspring, Inc.   8900 State Line Road, Suite 220, Leawood, KS 66206   877-649-5969
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Technical Data

Platform	• IBM PowerPC 405EP 250 MHz processor
	• 64MB SDRAM & 64 MB Serial Flash
	• Battery Backup - 5 minutes typical - shutdown begins within 10 seconds
	• Real-time clock - 3 month backup max via battery
Communications	• 2 Ethernet Ports – 10/100 Mbps (RJ-45 Connectors)
	• 1 RS 232 Port (9 pin D-shell connector)
	• 1 RS 485 non isolated port (3 Screw Connector on base board)
Optional Communications Cards	• JCOM-1LON - Optional 78 Kbps FTT10 A LON Adapter
	• JCOM-1232 - Optional RS-232 port adapter with 9 pin D-shell connector
	• JCOM-2485 - Optional dual port RS-485 adapter; electrically isolated
Operating System	• QNX RTOS
	• IBM J9 JVM Java Virtual Machine
	• NiagaraAX
Power Supply	• JPWR-DRPM - Optional: 24 Volt AC/DC power supply module, Din Rail mounted
	• Optional Wall Power Modules – (Note: All modules are universal input 90 – 240 volts, 50/60 Hz.; the model numbers below represent the various plug configurations only)
	• JPWR-WWPM-US - 120 Vac, 50- 60 Hz. US
	• JPWR-WWPM - 230 Vac, 50-60 Hz. Europe/Asia
	• JPWR-WWPM - 230 Vac 50-60 Hz. UK
Chassis	• Construction: Plastic, din rail or screw mount chassis, plastic cover
	• Cooling: Internal air convection
Environment	• Operating temperature range: 0° to 50°C (32°F to 122°F)
	• Storage Temperature range: -20°C to 60°C (-4°F to 140°F).
	• Relative humidity range: 5% to 95%, non-condensing
Agency Listings	• UL 916, C-UL listed to Canadian Standards Association (CSA) C22.2 No. 205-M1983 "Signal Equipment", CE, FCC part 15 Class A, C-tick (Australia)

DIMENSIONS

Ordering Information

Model #	Description
JENE-PC1000	JENE-PC1000 Controller

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