

### Product Description

The JENEsys™snap! 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.

JENEsys™snap! controllers are powered by the NiagaraAX Framework®, the industry's first software technology designed to integrate diverse systems and devices into a seamless system.



### Features and Application Highlights

JENE-PC1000 is ideal for smaller snap! installations, the JENE-PC1000 is all you need for a complete integrated system. The JENE-PC1000 integrates the JENEsys snap! thermostats and serves data and rich graphical displays to a standard web browser via an Ethernet LAN or remotely over the Internet, or dial-up modem.

### Mounting

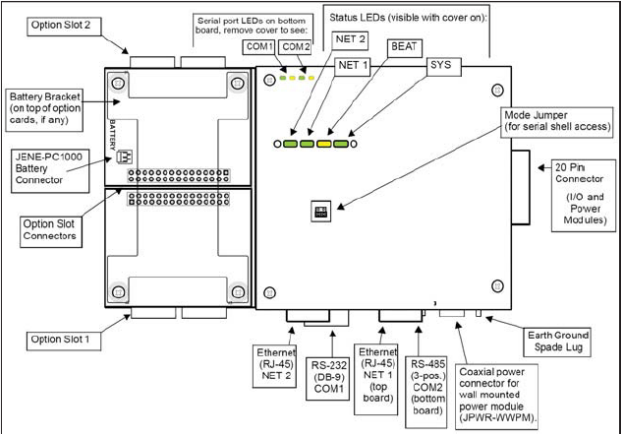
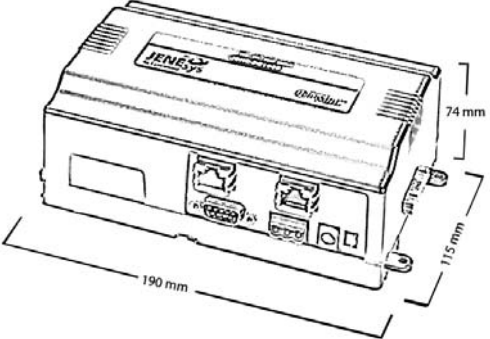
**WARNING:** Do not mount in a location subject to electrical noise. This includes the proximity of large electrical contactors, variable frequency drives, electrical machinery, welding equipment, spark igniters, and any high-voltage-producing equipment.

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 correct, and then push inwards to snap in place.

Mount the JENE in a horizontal position. 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.

## Technical Data

<ul style="list-style-type: none"> <li>• <b>Platform</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ IBM PowerPC 405EP 250 MHz Processor</li> <li>➤ 64MB SDRAM &amp; 64MB Serial Flash</li> <li>➤ Upgradeable to 128MB SDRAM &amp; 128MB Serial Flash</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Battery</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ Battery Backup – 5 minutes typical – shutdown begins within 10 seconds</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Real-time Clock</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ 3 Month Backup max via Battery</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Communications</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ 2 Ethernet Ports – 10/100 Mbps (RJ-45 Connectors)</li> <li>➤ 1 RS-232 Port (9-pin D-shell Connector)</li> <li>➤ 1 RS-485 non isolated port (3 Screw Connector on Base Board)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Optional Communications</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ LON Card – 78kbps FTT10 A LON Adapter</li> <li>➤ RS-232 Card – Port Adapter with 9 pin D-shell connector</li> <li>➤ 2 RS-485 – Dual Port RS-485 Adapter, electrically isolated</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Operating System</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ QNX RTOS</li> <li>➤ IBM J9 JVM Java Virtual Machine</li> <li>➤ NiagaraAX</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Power Supply</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ Barrel Plug WallWart, 120Vac, 50-60 Hz</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Environment</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ Operating Temperature: 0°C - 50°C (32°F - 122°)</li> <li>➤ Storage Temperature: -20°C - 60°C (-4°F - 140°)</li> <li>➤ Relative Humidity Range: 5% to 95%, non condensing</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Agency Listings</b></li> </ul>	<ul style="list-style-type: none"> <li>➤ 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)</li> </ul>
	<p><b>Dimensions</b></p> 

## Ordering Information

MODEL NUMBER	DESCRIPTION
JENE-PC1064 JENE-PC1128 JENE-PC-1-128-LIC	JENE-PC1000 Controller with 64MB Ram JENE-PC1000 Controller with 128MB Ram 128MB Ram Upgrade License