Embedded Internet
The OMEGA® iSeries devices can connect directly to an ethernet network with a standard RJ-45 connector and can send and receive data in standard TCP/IP packets. (Please specify EI or C4EI option.) The iSeries devices can serve Web pages over an ethernet LAN or even over the Internet making it possible to monitor and control a process through a web browser (such as Microsoft Internet Explorer) from anywhere in the facility or anywhere in the world.

Remote Control
For example, using an iSeries 1/8 DIN temperature controller to control a heater, an engineer can monitor the temperature, change set points or alarm points, turn the heater on and off, or make other modifications from anywhere on the local network, or anywhere on the Internet. The web pages are easily customized and secure password protected access to the devices is easily controlled. And it requires absolutely no special software on the engineer’s computer to view the data and “supervise” the controller—nothing other than a Web browser.

Email and Alarm
In fact, the iSeries controller can even send an email to the engineer (or anyone they choose) alerting them to an alarm condition or updating the status. Leveraging the technology of the Internet, the engineer could receive a message from the iSeries controller on an Internet enabled pager or cell phone.

Most remarkable is that all this can be accomplished without a computer. The OMEGA® iSeries device (meter or controller) connects directly to the ethernet network — not to the serial port of a computer functioning as a “server” and “master” to “slave” instruments connected through serial communications. The iSeries devices are also available with RS232, RS422, RS485 and MODBUS serial communications (specify the C24 option). In fact, the iSeries are the first instruments of this type which include all these serial protocols on one device, selectable from a menu.

Internet Appliances
With the EI option, these small 1/16 DIN and 1/8 DIN instruments are stand-alone Web servers. The ethernet and Web server capability is actually embedded in the device. (The smallest 1/8 DIN size device must be connected to an external iServer.)

The OMEGA® iSeries device is assigned an IP address on the network and can also be assigned an easily remembered name such as “Heater1”. In fact, the device could be assigned an authorized Internet IP address from an Internet service provider and function as a World Wide Web server delivering whatever specific information is called for. (For an example, please see www.newportUS.com/iserver)

The iSeries devices work well with conventional industrial automation, data acquisition and control programs as well as Microsoft Visual Basic and Excel. OMEGA® provides free software and demos which makes it fast and easy to get up and running with many applications.

$225
1/16 DIN Controller
The “iServer” is a DIN rail device which can be a hub connecting up to 32 instruments to the Ethernet and Internet. The “iServer” is both a Web Server and an Ethernet-Serial bridge. To connect to the iServer, iSeries devices must feature the “C24” Serial Communications option. The OMEGA iServer is also compatible with the MICROMEGA® family of ultra high performance digital panel meters and the OMEGA iDRX family of signal conditioners. The iServer can also connect almost any RS232 or RS485 serial device to Ethernet.

**To Order (Specify Model Number)**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIS-2B</td>
<td>iServer industrial MicroServer™, serves 32 devices</td>
<td>$195*</td>
</tr>
<tr>
<td>iDRN-PS-1000</td>
<td>Power supply (switching), 95 to 240 Vac input, 24 Vdc output @ 1 A (powers 10 units)</td>
<td>$150</td>
</tr>
</tbody>
</table>

**EIS-2B**

- **A Web Server and an Ethernet Bridge**
- **Serves up to 32 Devices**

The iServer is an alternate way to connect iSeries devices to an Ethernet LAN or Internet. Instead of connecting each iSeries device directly to the Ethernet network, with individual IP addresses for each device, the iServer can be a HUB/server for up to 32 devices.
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**