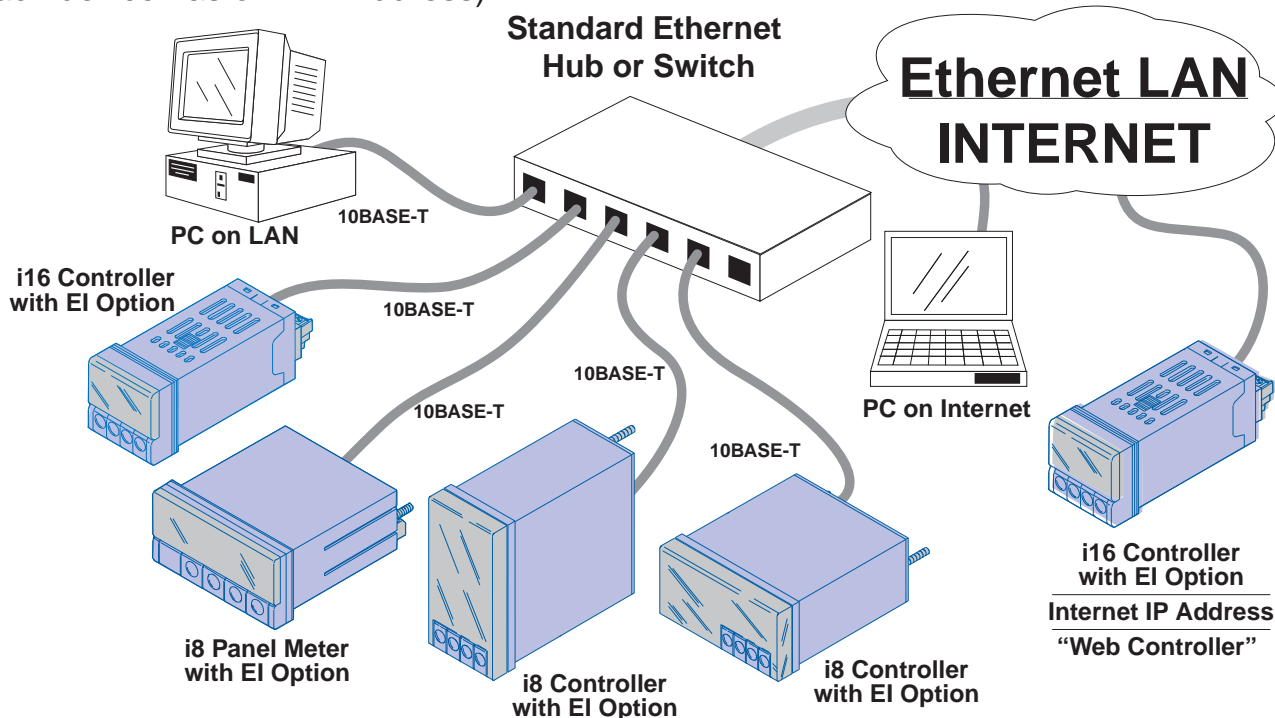


iSeries Embedded Internet

iSeries Meters and Controllers - Direct Connection to Ethernet
(Each device has own IP Address)



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 $\frac{1}{6}$ 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 customised 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 $\frac{1}{6}$ DIN and $\frac{1}{8}$ DIN instruments are stand-alone Web servers. The ethernet and Web server capability is actually embedded in the device. (The smallest $\frac{1}{32}$ 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 authorised 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.

MONOGRAM

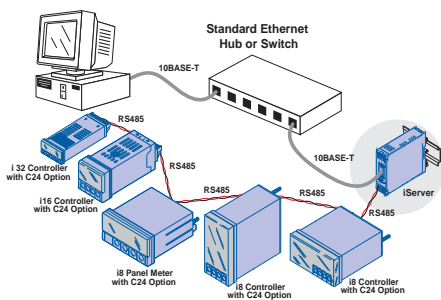


iSeries Controllers

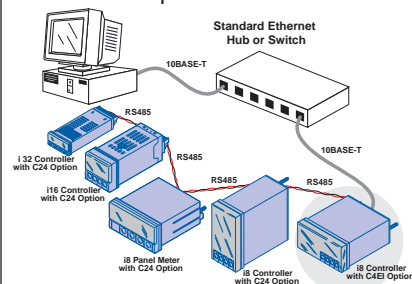
Rear Terminal Connections



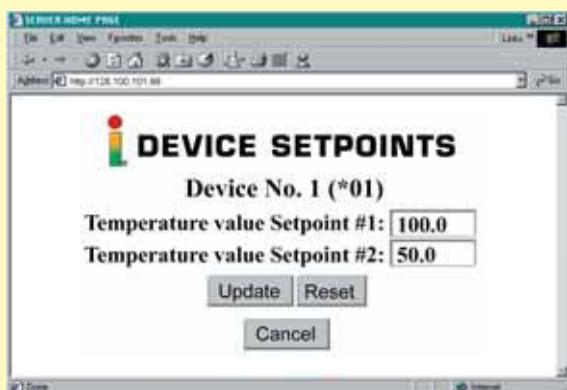
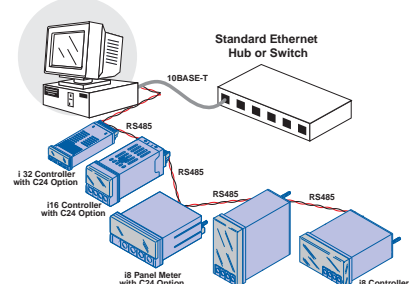
Using iServer as HUB/Server for up to 32 Devices



Using OMEGA® 1/8 DIN iSeries controller with C4EI option as HUB for up to 32 Devices



Conventional Serial Communication connections using PC with RS-485 Serial Communication



Get Internet E-mail Notification of Alarm Status on Your Web-Enabled Phone or PDA.

iServer

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.



✓ 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.

To Order (Specify Model Number)

Model No.	Description
EIS-2B	iServer industrial MicroServer™, serves 32 devices
Options	
iDRN-PS-1000	Power supply (switching), 95 to 240 Vac input, 24 Vdc output @ 1 A (powers 10 units)

* Contact OMEGA® for quantity and OEM pricing.



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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters