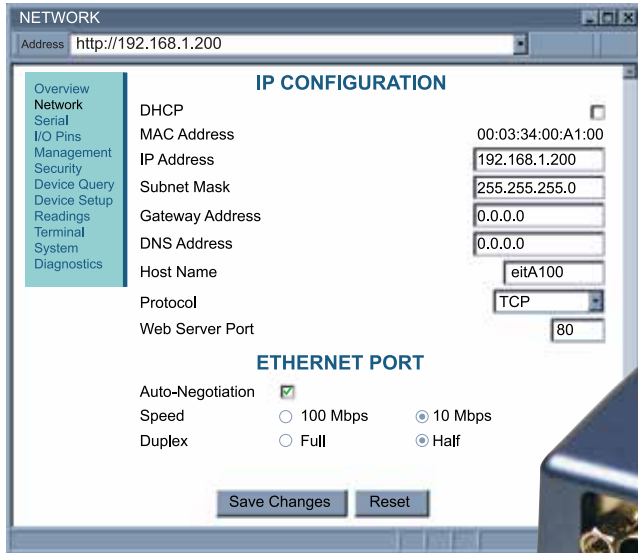


iServer MicroServer™ for Serial-to-Ethernet Applications



Quickly configured through a web browser

Connect any serial device to Ethernet LAN and the Internet



EIT-W
Wall mount or benchtop for commercial applications, shown smaller than actual size.

EIT Series



- Put Any Serial Device On the IP Network in Minutes
- Bridge RS232/RS485 to TCP/IP
- Auto-negotiating 10/100 Ethernet Half/ Full Duplex
- Built-in Web Server
- TCP, UDP, SNMP, SMTP, TFTP, ICMP, Telnet, DHCP, DNS, HTTP, and ARP
- MODBUS® RTU to MODBUS TCP/IP Bridging
- Email Notifications and SNMP Traps
- 1 to 6 Programmable I/Os
- Firmware Upgrade Over Ethernet
- Custom Firmware/Private Labeling for OEMs
- TCP Socket with Command Line Interface
- Serial Speed Up to 460 Kb/s
- Authentication and Access Restrictions
- Small Enough to Fit Almost Anywhere
- Free COM Port Redirector
- Free Configuration Software

The 3rd Generation NEWPORT® iServer3g connects any Serial Device (RS232, RS485) to an Ethernet network or the Internet in minutes, including Serial Modbus to ModbusTCP/IP over Ethernet. The iServer3G can send notifications by email, and has SNMP for remote management. Newport offers custom firmware and private-labeling for OEMs.

EIT-PCB Embedded PC board assembly for OEMs, shown smaller than actual size.



EIT-D DIN rail for industrial applications, shown smaller than actual size.

Sensor Specifications

Serial Interface

Interface: RS232 or RS485

(2- and 4-wire)

Connector: DB9 male DTE for RS232; 8 position terminal block plug for RS485

Serial Data Rates: 300 to 460.8 Kbps

Characters: 5, 6, 7, or 8 data bits

Parity: odd, even, or none

Stop Bits: 1 or 2

Flow Control: Hardware (RTS/CTS) and Software (Xon/Xoff)

Digital I/Os: 1 to 6 programmable input/output lines, depending on model.

Network Interface

Interface: Fixed or auto-negotiating 10/100BASE-T half/full duplex Ethernet with auto MDI/MDIX

Connector: RJ45

Protocols: TCP, UDP, SNMP, SMTP, TFTP, ICMP, DHCP, DNS, HTTP, ARP, Modbus TCP/IP and Telnet

Compliant to Standard: IEEE 802.3

Indicators (LEDs): 100BASE-T, Network Link/Activity, and Serial Transmit/Receive

32-Bit Microprocessor:

CPU: ARM7, 72 MHz

Memory: 512 Kbyte Flash, 32 Kbyte SRAM

Embedded Web Server:

Serves dynamic Web pages and Java applets

Management: Web server, Telnet login, Serial login, iConnect

General

Power (for EIT-PCB):

Input: 5 Vdc @ 200 mA max.

Consumption: 1 W max.

Power (for EIT-W):

Input: 5 Vdc @ 200 mA max

Consumption: 1 W max.

Safety Qualified AC Power Adaptor (included):

Nominal Output: 5 Vdc @ 600 mA;

Input: 100 to 240 Vac, 50/60Hz

Operating Temperature:

0 to 40°C (32 to 104°F)

Power (for EIT-D):

Input: 10 to 32 Vdc

Consumption: 2 W max.

DC Power supply sold separately:

iDRN-PS-1000

Packaging (for EIT-W):

Material: ABS (ChiMei PA-757)

with wall mount bracket

Dimensions: 27.4H x 66.0W x 93.1D mm (1.08 x 2.60 x 3.67 in)

Weight: 77g (0.17 lbs.)

Packaging (for EIT-D):

Material: Polycarbonate case

with DIN Rail mount

Dimensions: 90.2H x 25.1W x 115.0D mm (3.54 x .99 x 4.53 in)

Weight: 113g (0.25 lbs.)

Packaging (for EIT-PCB):

Material: FR4

Board Surface area dimensions:

Approximately 80 sq. mm (3 sq")

Weight: 14g (0.03 lbs.)

Environmental

Operating Temperature:

-40 to 85°C (-40 to 185°F)

Storage Temperature:

-40 to 100°C (-40 to 212°F)

Software

Firmware upgrade from

Ethernet COM Port

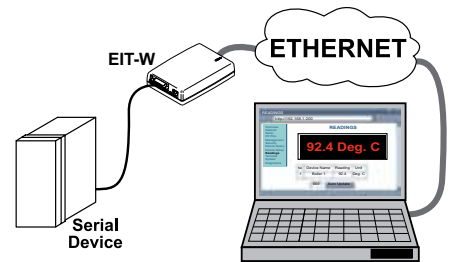
redirector (iPort);

Configuration Software utility

(iConnect) Compatible with

Windows 9x/ME/NT/2000/XP

software and related utilities

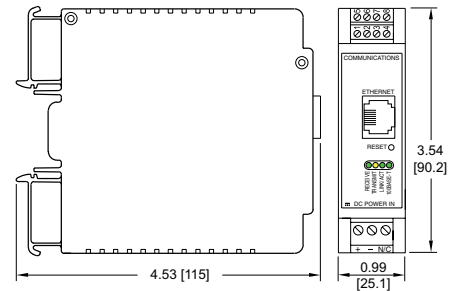


Mechanical

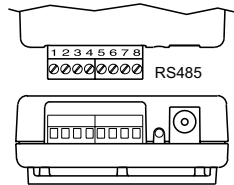
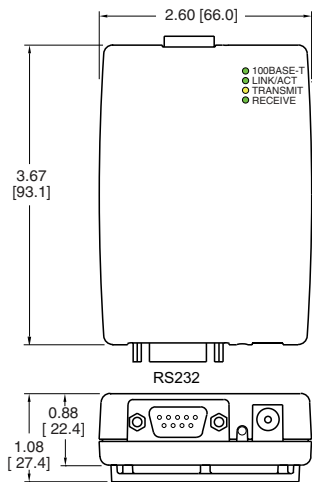
EIT-D

Material: Polycarbonate case with DIN rail mount

Weight: 113 g (0.25 lbs)



Dimensions: in (mm)
ø = diameter



EIT-W

Material: ABS (ChiMei PA-757)

with wall mount

Weight: 77 g (0.17 lbs)

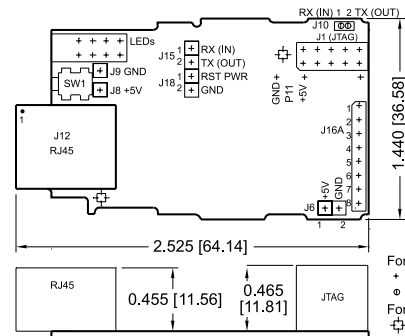
EIT-PCB

Board Surface area:

approximately 3 sq. inches

[80 sq. mm]

Weight: 14 g (0.03 lbs)



For pin & socket connectors:
+ 0.036 [0.91] hole dia
o 0.024 [0.61] hole dia
For mounting:
⊕ 0.120 [3.05] hole dia

To Order

Model No.	Description
EIT-W	iServer MicroServer™ for Serial-to-Ethernet applications in commercial wall-mount case with universal AC power adaptor (100 to 240 Vac input, 5 Vdc output); full RS232 serial interface with 1 input pin
EIT-W-485	Commercial wall-mount case; RS485 (full and half duplex) serial interface with 3 I/Os
EIT-D	Industrial DIN rail case with screw terminal serial ports; full RS232 serial interface without I/Os
EIT-D-485	Industrial DIN rail case; RS485 (full and half duplex) serial interface with 3 I/Os
EIT-PCB	Printed circuit board for embedded applications; full RS232 serial interface with 3 I/Os
EIT-PCB-485	Printed circuit board; RS485 (full and half duplex) serial interface with 6 I/Os

Ordering Example: EIT-W, one full RS232 serial interface commercial wall-mount iServer MicroServer.

* Volume discounts are available.