iServer MicroServer™

for Serial-to-Ethernet Applications

i.Server3g

Quickly configured through a web browser

NETWORK

Address http://192.168.1.200

IP CONFIGURATION

Overview
Network
Serial
I/O Pins
Management
Security
Device Query
Device Setup
Readings
Terminal
System
Diagnostics

DHCP	☐
MAC Address	00:03:34:00:A1:00
IP Address	192.168.1.200
Subnet Mask	255.255.255.0
Gateway Address	0.0.0.0
DNS Address	0.0.0.0
Host Name	eitA100
Protocol	TCP
Web Server Port	80

ETHERNET PORT

Auto-Negotiation ☑
Speed ○ 100 Mbps ◉ 10 Mbps
Duplex ○ Full ◉ Half

Save Changes   Reset

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

1 YEAR WARRANTY C€ **FCC-B**

✔ **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**

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

The 3rd Generation NEWPORT® i Server3g 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-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 Adapter (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)

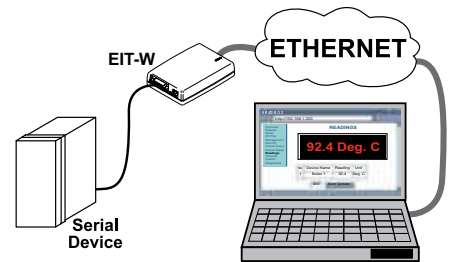## Software
Firmware upgrade from Ethernet COM Port redirector (**iPort**); Configuration Software utility (**iConnect**) Compatible with Windows 9x/ME/NT/2000/XP software and related utilities
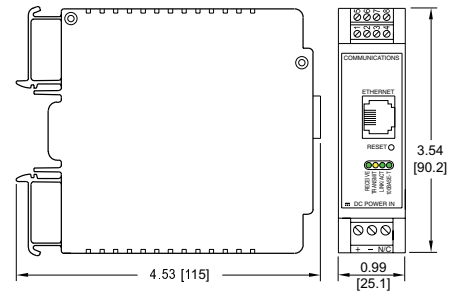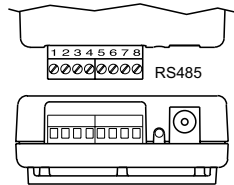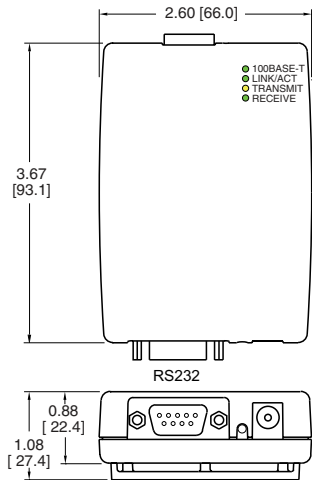
Mechanical

EIT-D
Material: Polycarbonate case with DIN rail mount
Weight: 113 g (0.25 lbs)

Dimensions: in (mm)
ø = diameter

EIT-PCB
Board Surface area: approximately 3 sq. inches [80 sq. mm]
Weight: 14 g (0.03 lbs)
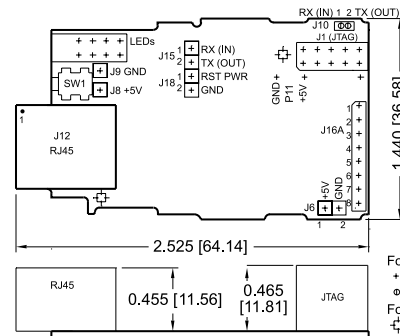
EIT-W
Material: ABS (ChiMei PA-757) with wall mount
Weight: 77 g (0.17 lbs)

To Order — *Visit newportUS.com/eit for Pricing and Details*

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.