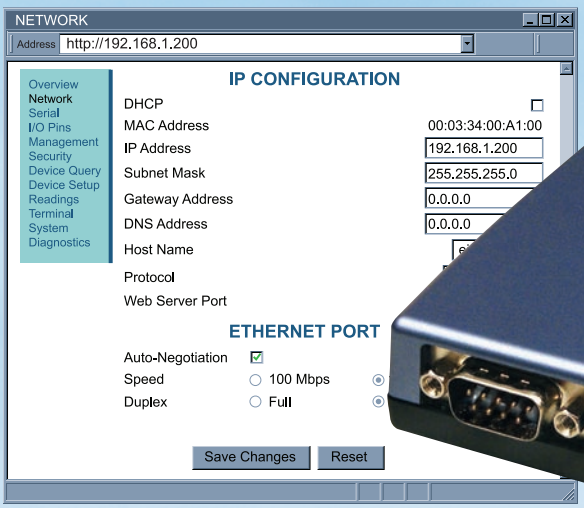
NEWPORT®

Connect Any Serial Device to an Ethernet LAN and the Internet

Quickly configured through a Web browser



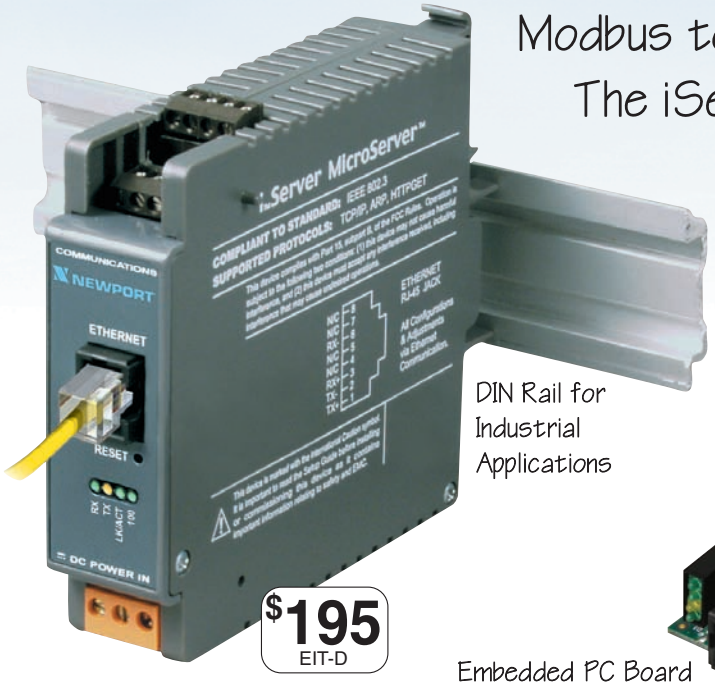
$195 EIT-W

Wall Mount or Benchtop for Commercial Applications

The 3rd Generation **NEWPORT®** **iServer** connects any Serial Device (RS-232, RS-485) 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 OEM's.



$195 EIT-D

DIN Rail for Industrial Applications

Embedded PC Board Assembly for OEM's

The **NEWPORT®** **iServer** is designed and manufactured by NEWPORT Electronics, Inc. in Santa Ana, California, U.S.A

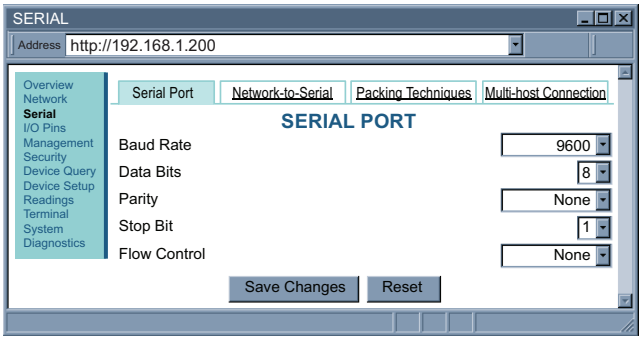
Features

- Put any serial device on the network in minutes
- Bridge RS-232/RS-485 to TCP/IP
- Auto 10/100 Ethernet half/full duplex
- Built-in Web server
- TCP, UDP, SNMP, SMTP, TFTP, ICMP, Telnet, DHCP, DNS, HTTP, and ARP
- ModbusRTU to ModbusTCP/IP bridging
- Email notifications and SNMP traps
- 1-6 programmable I/O's
- Firmware upgrade over Ethernet
- Custom firmware/private labeling for OEM's

Specifications

Serial Interface

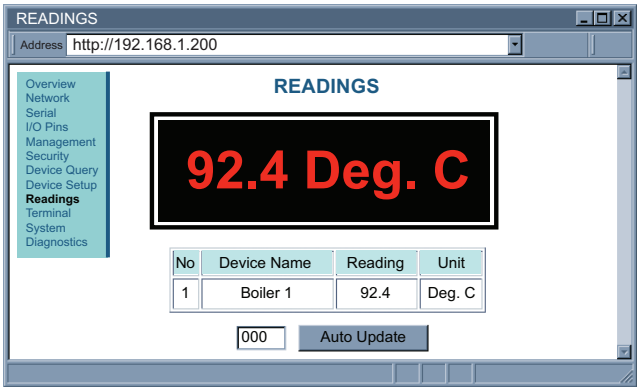
Interface: RS-232 or RS-485 (2 and 4-wire), or TTL
Connector: DB9 male DTE for RS-232; 8 position Terminal Block plug for RS-485
Serial Data Rates: 300 to 460,800 Kbps
Characters: 5, 6, 7, or 8 data bits
Parity: odd, even, or none
Stop Bits: 1 or 2
Flow Control: Hardware (RTS/CTS) and Software (Xon/Xoff)
Digital I/O's: 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 (LED's): 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

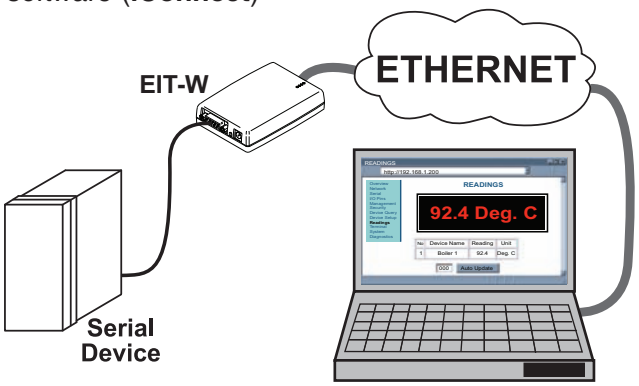
Power (for EIT-PCB)
Input: 5 Vdc @ 200 mA max.
Consumption: 1 W max.
Power (for EIT-W)
Input: 5 Vdc @ 200 mA max.
Consumption: 1 W max.
Safety Qualified ac Power Adapter (included):
Nominal Output: 5 Vdc@600 mA
Input: 100 to 240 Vac, 50/60Hz
Operating Temp: 0 to 40°C (32 to 104°F)
Power (for EIT-D)
Input: 10 to 32 Vdc
Consumption: 2 W max.
(DC Power supply sold separately: **iDRN-PS-1000**)

Environmental

Operating Temp: -40 to 85°C (-40 to 185°F)
Storage Temp: -40 to 100°C (-40 to 212°F)

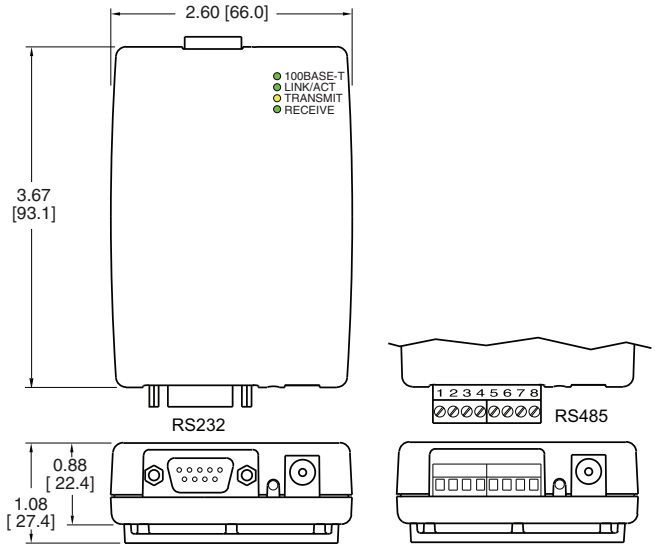
Software

COM Port Redirector (**iPort**); Configuration software (**iConnect**)

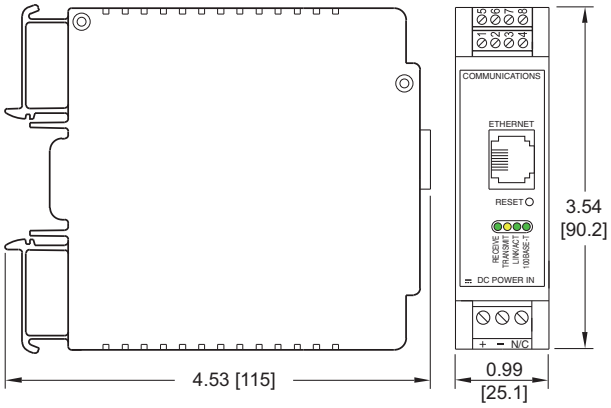


Mechanical

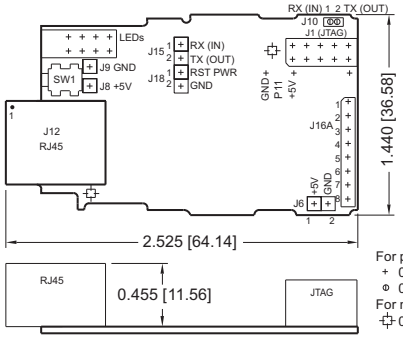
iServer MicroServer™



EIT-W
Material: ABS (ChiMei PA-757) with wall mount
Weight: 77 g (0.17 lbs)

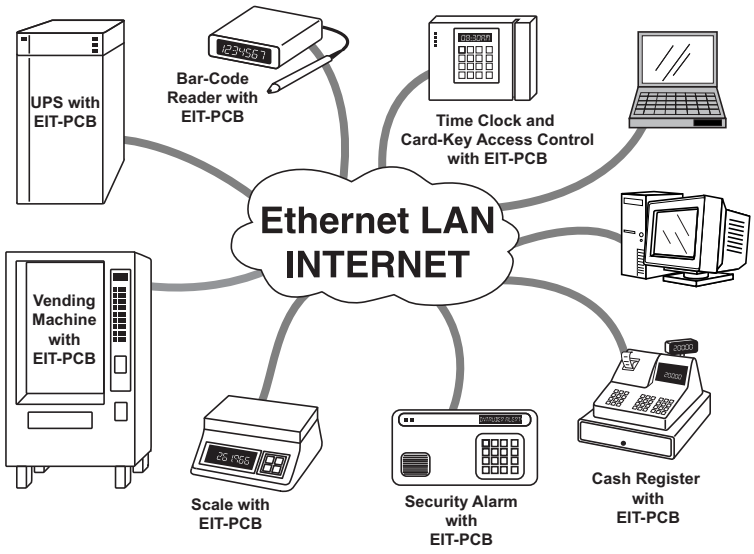


EIT-D
Material: Polycarbonate case with DIN rail mount
Weight: 113 g (0.25 lbs)



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

EIT-PCB
Board Surface area: approximately 3 sq." [80 sq. mm]
Weight: 14 g (0.03 lbs)



Model No.	Description	Price*
EIT-W	iServer MicroServer™ for Serial-to-Ethernet applications in commercial wall-mount case with universal ac power adapter (100 to 240 Vac input, 5 Vdc output); Full RS-232 serial interface with 1 input pin	**$195**
EIT-W-485	Commercial wall-mount case; RS-485 (full & half duplex) serial interface with 3 I/O's	**$195**
EIT-D	Industrial DIN Rail case with screw terminal serial ports; Full RS-232 serial interface without I/O's	**$195**
EIT-D-485	Industrial DIN Rail case; RS-485 (full & half duplex) serial interface with 3 I/O's	**$195**
EIT-PCB	Printed Circuit Board for Embedded applications; Full RS-232 serial interface with 3 I/O's	*
EIT-PCB-485	Printed Circuit Board; RS-485 (full & half duplex) serial interface with 6 I/O's	*
EIT-PCB-TTL	Printed Circuit Board; TTL serial interface with 3 I/O's	*

Ordering Example: For one full RS-232 serial interface commercial wall-mount iServer MicroServer, **EIT-W: $195**
*Volume discounts are available. **Consult NEWPORT OEM team for application assistance and quantity pricing: oem@newportUS.com or 714-540-4914.