

# *ESERV-11T 12T*

Take control of legacy serial devices with ESERV-11T or ESERV-12T Industrial Ethernet Serial Servers. Setup devices, upgrade firmware and monitor activity with Easy Configuration Manager software. Existing serial devices can be monitored and controlled from your desktop or anywhere on your Ethernet LAN/WAN-even offsite through the Internet. Updates can also be made through Telnet. Heartbeat connectivity keeps the serial server on-line. If connectivity is lost, these servers will attempt to reconnect every five seconds until a connection is regained. Manual rebooting is not required.

### **PRODUCT FEATURES**

- Supports Data Rates up to 230.4 Kbps
- Wide -34 to 80°C Temperature Range
- 10 to 58 VDC Input Power Range
- Built-in, Switchable Termination & Bias
- Single or Dual Port Serial Connectivity
- Ethernet Fiber Options

# **Specifications**

#### Serial Technology

**RS-232** RS-485 2-Wire RS-422/485 4-Wire Serial Connectors: ESERV-11T: ESERV-12T:

TD, RD, RTS, CTS, DTR, RSR, DTD, GND Data A(-), Data B(+), GND TDA(-), TDB(+), RDA(-), RDB(+), GND

Data Rate

DB9M or removable terminal block 2 removable terminal blocks up to 230.4 kbps

#### Network

Serial Memory Network Memory **IP Port Address** 

8KB per port 4KB 5300 - Heartbeat and configuration Setting in TCP mode (paired mode)

8888 - ESERV-1XT Update Mac Address Table 2k

#### **Network Communications**

LAN

10/100 Mbps Auto-Detecting 10BaseT, 100BaseTX, (RJ-45) or 100Base fiber (ST connector)

#### **Network Physical Layer Standards**

Ethernet

IEEE 802.3 auto detecting & auto MDI/MDX 10BaseT and 100BaseTX

#### **Protocols**

TCP, IPv4, UDP ARP, Telnet, HTTP 1.0, ICMP/PING, DHCP/BOOTP IP MODE Static. DHCP TCP User Definable

#### **Configuration Software**

**OS** Compatibility

Windows 2000, 2003 Server, XP, Vista



-19 to -14dBm

62.5 / 125um

1.2 Miles (2km)

Server, Client, VCOM, Paired

At Powerup or upon data arrival

Serial direct COM and Ethernet

Display PC IP, ping, test VCOM

save test config (text readable)

Auto Search or specific IP

Web GUI through Ethernet

Removable Terminal Block

~ -32dBm

External

4.0 W

10 to 58 VDC

132309 hours

ST

#### **Fiber Optic Technology** Multi-mode / 1310nm

Type / Wavelength **Output Power Receive Sensitivity** Cable Connector Range

#### Other

**Connection Mode Client Connection** Search

Diagnostics

Firmware Upgrade

#### Power

Source Input Voltage **Power Consumption Power Connector** Wire Size Accepted

#### Mechanical

LED Indicators Switches Dimensions Enclosure Weight MTBF MTBF Calc. Method 12 to 28 AWG Serial Port, Ethernet Link, Ready Reset Button 1.2 x 3.2 x 4.7 in (3.0 x 8.1 x 11.9 cm) IP 30 Plastic, 35 mm DIN Mount 0.33 lbs (149.7 g)

Parts Count Reliability Prediction

Environmental

Operating Temperature - 34 to 80°C (-29 to 176°F) Storage Temp Operating Humidity

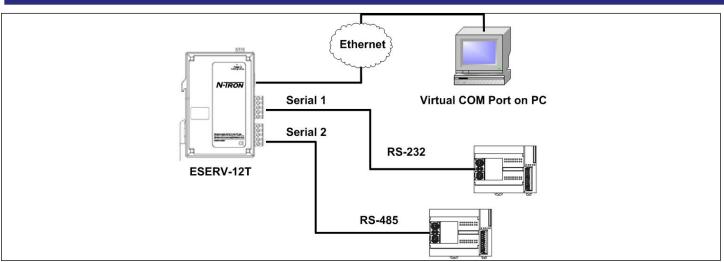
- 40 to 85°C (-40 to 185°F) 0 to 95% Non-condensing

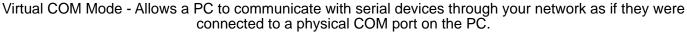
RegulatoryApprovals FCC, CE, UL 508

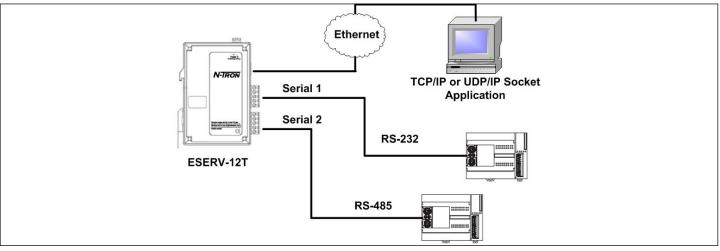


QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV

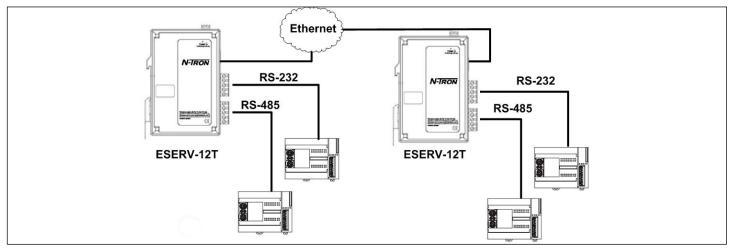
==== ISO 9001:2008 ====







Direct IP Mode - Allows TCP/IP or UDP/IP socket applications to communicate directly with serial devices

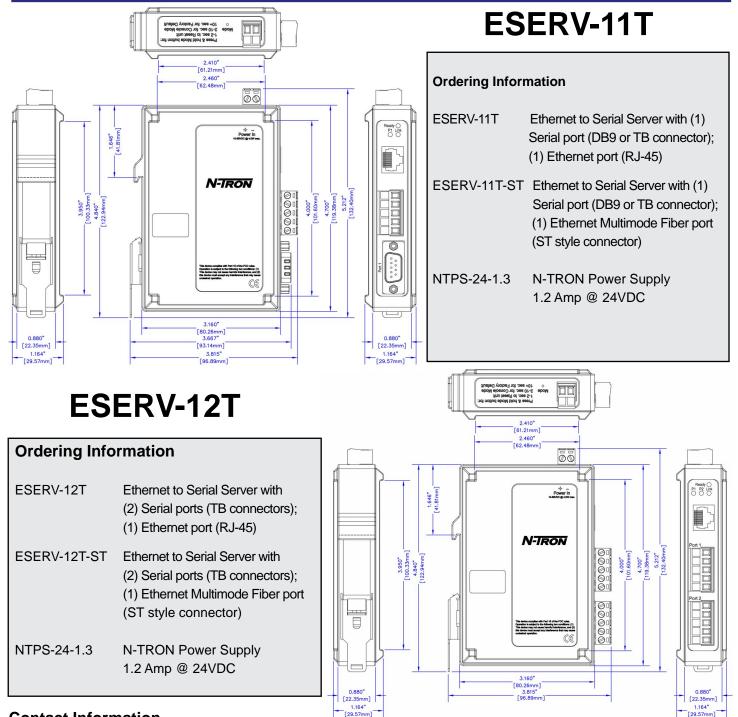


Paired Mode - Allows serial devices to communicate with each other by tunneling through your network.



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**ISO 9001:2008** 



## **Contact Information**

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