











## Features

- ❖ Complies with EIA709 and EIA852 standards.
- ❖ Implements Twin Mode monitoring functionality via both IP and Lon channel
- ❖ Immediately starts forwarding packets when fault is detected with associated twin
- ❖ Automatically ceases forwarding packets when faults repaired
- ❖ Standard Network Variables report status and alarms for supervisory monitoring
- ❖ Also supports standard Internet protocols TCP, UDP, IP
- ❖ Simple, familiar web configuration interface
- ❖ Free Topology (FT-10A), Twisted Pair (TP/XF-1250) or LonWireless transceiver options
- ❖ Highly interoperable product, works with
  - i. Lon 600 and L-IP products
- ❖ Only EIA852 Router with IP Multicast support
- ❖ Compatible with latest i.Lon Configuration Server
- ❖ Operates seamlessly with standard LonWorks tools, e.g. LonMaker for Windows





#### Physical Features

-  Desktop and DIN-rail mounting options
-  Compact form factor, 4" x 5" x 1"
-  Power, packet and service indicators
-  Two Service Pin Buttons
-  Standard Weidmuller connector for twisted pair channels.
-  Standard RJ-45 Ethernet connector
-  Supplied with serial cable for configuration
-  5Vdc power input, standard power supply available

#### Description















The eNode™ Lon IP Router is a high performance EIA 852 compliant LonWorks/IP Router. The small size, low cost advanced functionality and exceptional degree of interoperability of the eNode™ Lon IP Router makes it a cost effective upgrade, replacement or initial choice for your project.

eNode™ Redundant Lon IP Router provides new Redundant Twin Mode functionality when paired and configured with another eNode™ Redundant Lon IP Router. This functionality enables high availability applications and ensures that network resources are always available.

By constantly monitoring each other, at configurable intervals, the eNode™ Routers are able to decide if one or the other has failed and then automatically begin forwarding packets for its subnet.



#### Specification

-  Ethernet Connector RJ-45
-  Ethernet Interface Integral 10/100 BaseT Ethernet MAC
-  Ports ANSI 709.1, serial console, HTTP 80 standard, remote packet monitor (any open port, EIA 852 1628 standard)
-  Serial Interface UART with full duplex handshaking, RJ- 485 connector
-  ANSI 709.1 B Support Up to 65535 address table entries, up to 4096 network variables, memory resident network and application buffers
-  Service Pins Two, one each for side A and side B of router
-  ANSI 709.1 B Support GadgetStack, up to 65535 address table entries, up to 4096 network variables, memory resident network and application buffers, multiple 709.1 node capability.
-  709.X Transceiver Type FTT-10A with blocking capacitors for compatibility with link power channel (model 72001) or TPT 1250
-  709.X TP Connector Weidmuller 2-conductor BLA (PN:151491)
-  Input Power < 1.5 watts, 300mA at 5v
-  Enclosure & Dimensions Metal box 4.080 inches x 5.170 inches x 1.062 inches (10.36cm x 13.132cm x 2.7cm)
-  Mounting Options Din rail, keyhole (screw mount), desktop
-  Environmental:
  - Operating temperature: 0 - 85 C
  - Storage temperature: -25 - 85 C
  - Operating Humidity: 10 - 90%RH @ 50 C, non-condensing
  - Non-operating Humidity: 95% RH @ 50 C, non-condensing
-  CE and FCC approved



#### Ordering Information

eNode Part Number	–	CNS eNode Lon/IP Router v1.0/FTT10 CNS eNode Lon/IP Router v1.0/TPT1250
Power Supply Part number	–	eNode Lon/IP PSU UK eNode Lon/IP PSU Euro eNode Lon/IP PSU US

Please contact [Control Network Solutions](http://www.control-network-solutions.co.uk) to see how the eNode™ range of products can enhance your control system.

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**eNode™** is the brand name of CNS's IP hardware products and forms part of its family of IP Network Infrastructure Products (INIP's) for control networks.

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