



## Features

- ❖ Complies to EIA709 and EIA852 standards.
- ❖ Implements 852 Bridging to route EIA852 packets between logical IP channels
- ❖ Simple, familiar web configuration interface
- ❖ Operates seamlessly with standard LonWorks tools, e.g. LonMaker for Windows
- ❖ Overcomes limitations of 40 EIA 852 devices per network
- ❖ Uses on Ethernet connection, routes packets through separate IP ports
- ❖ Enhances traffic segmentation on IP networks, reduces overall IP bandwidth
- ❖ Compatible with latest i.Lon Configuration Server











## 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™ 852 Bridge can be configured to route packets between logical EIA 852 channels. These channels would be configured using a configuration tool such as the i. Lon Configuration Server. By implementing an eNode™ 852 Bridge in a LonWorks network it is possible to overcome known limitations in the number of EIA852 devices. While this is currently limited to 40 the eNode™ 852 Bridge allows for possibly thousands of eNode™ Lon/IP routers in a network.

### Physical

-  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

### 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 5 volts
-  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 Bridge v1.0/FTT10  
CNS eNode Lon/IP Bridge 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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