











- ❖ Complies with EIA709 and EIA852 standards.
- ❖ Supports NAT routing, DDNS configuration
- ❖ 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















## 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™ Lon IP Router provides the core component a system's integrator needs to tie together large networks over a high speed Ethernet or other IP backbone. With eNode Lon/IP Router, traffic from multiple 709.1 channels can be tunnelled over high speed IP media thereby enabling applications such as remote monitoring, logging, or traffic consolidation.

-  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

-  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

# eNode™ Lon/IP Router

## Datasheet



### 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

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.

W: [www.control-network-solutions.co.uk](http://www.control-network-solutions.co.uk)

E: [sales@control-network-solutions.co.uk](mailto:sales@control-network-solutions.co.uk)

P: +44 (0) 1256 818700

F: +44 (0) 1256 812520

**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.

Echelon, Neuron, LonTalk, LNS, iLon are Trademarks of Echelon Corp. All other trademarks are the property of their respective owners. Adept Systems Inc is a NetSilicon authorised partner.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, in part or in whole, without prior permission of Control Network Solutions. We reserve the right to make changes without notice to any products herein as part of its continued product development and improvements. We do not assume any liability arising out of the application or use of any product or circuit described herein.

Copyright Control Network Solutions Ltd. 2004