Functions

L-WEB

L-ROC

L-INX

L-IOB

Gateways

L-VIS

L-DALI

Routers, NIC

Interfaces

Accessories

CEA-709/IP-852 Router

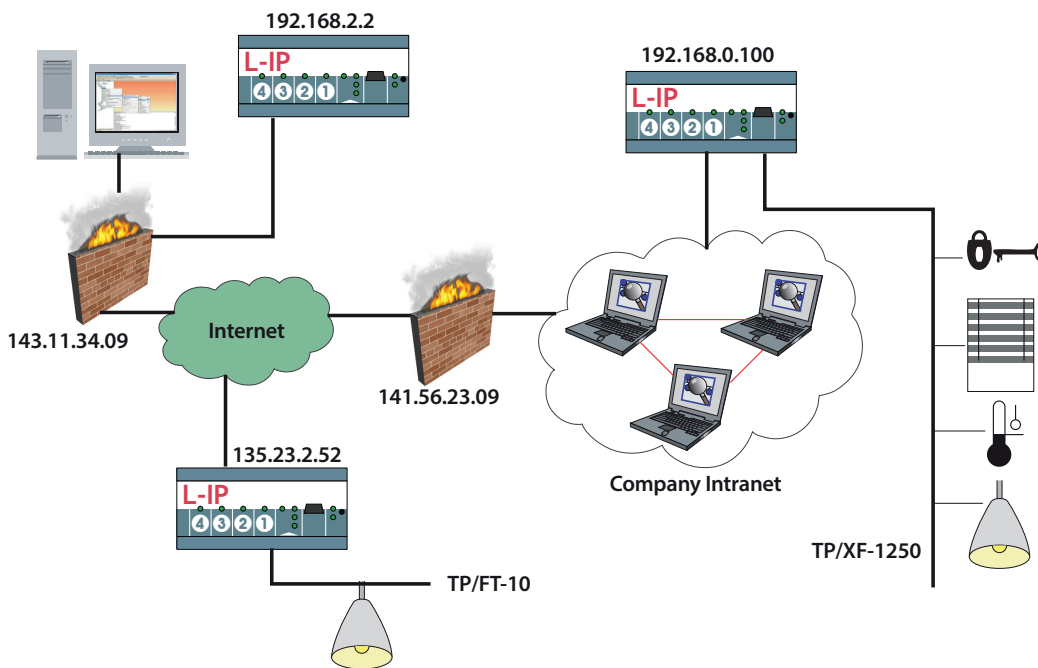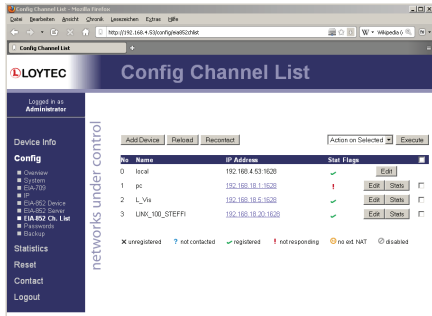# LIP-3ECTB, LIP-1ECTB, LIP-33ECTB, LIP-3333ECTB

Datasheet #89013109

The L-IP Router connects twisted pair channels (TP/FT-10 or TP/XF-1250) with the Ethernet/IP channel (IP-852) in LonMark Systems. L-IP routes CEA-709 packets through an IP based network such as a LAN (Ethernet), an Intranet, or even the Internet. The L-IP connects to the IP network via a 100Base-T Ethernet port.

In order to provide optimal router configurations, the L-IP is available in four different versions providing either 4 x TP/FT-10, 2 x TP/FT-10, 1 x TP/FT10, or 1 x TP/XF-1250. Every L-IP supports the operating modes "Smart Switch Mode" and "Configured Router Mode".

Beside the router functionality, the L-IP Routers provide outstanding capabilities for network diagnostic and analysis. They allow the LPA (LOYTEC Protocol Analyzer) transparent access to the twisted pair channels on the device via Ethernet/IP. This feature can be used in a local Intranet or via the Internet.

The integrated CEA-852 Configuration Server can manage up to 100 IP-852 devices. The configuration is done through the built-in Web interface.

Features

- Routes packets between TP/FT-10 or TP/XF-1250 channels and Ethernet/IP (IP-852)
- Compliant with CEA-709, CEA-852, and ISO/IEC 14908-1 standard (LonMark System)
- Supports Configured Router mode, Smart Switch mode, and Repeater mode
- Built-in CEA-852 configuration server for up to 100 members

- Support for operation behind NAT routers and firewalls
- Easy installation, Auto-NAT, roaming, DHCP
- Remote LPA support with LPA-IP
- Integrated web server for device and IP-852 configuration
- Built-in enhanced communication test for IP-852
- Network diagnostic LEDs

LIP-3ECTB, LIP-1ECTB, LIP-33ECTB, LIP-3333ECTB

Specifications				
Type	**LIP-3ECTB**	**LIP-1ECTB**	**LIP-33ECTB**	**LIP-3333ECTB**
Power supply	12-35 V DC / 12-24 V AC ±10 %, typ. 3 W			
Operating conditions	0 °C to 50 °C, 10 – 90 % RH @ 50 °C, non condensing, degree of protection: IP40, IP20 (terminals)			
Dimensions (mm)	107 x 100 x 60 (L x W x H), DIM009			159 x 100 x 60 (L x W x H), DIM007
Installation	DIN rail mounting following DIN 43880, top hat rail EN 50022			
Interfaces	1 x Ethernet (100Base-T), LonMark IP-852, HTTP, FTP			
	1 x TP/FT-10	1 x TP/XF-1250	2 x TP/FT-10	4 x TP/FT-10
Tools	Configuration via web browser or console RS-232 (EIA-232)			

Resource limits	
Configuration Server	CEA-852 configuration server for up to 100 members on the IP-852 channel

Order number	Configuration
LIP-3ECTB	CEA-709/IP-852 Router, 1 x TP/FT-10, 1 x Ethernet-Port (IP-852)
LIP-1ECTB	CEA-709/IP-852 Router, 1 x TP/XF-1250, 1 x Ethernet-Port (IP-852)
LIP-33ECTB	CEA-709/IP-852 Router, 2 x TP/FT-10, 1 x Ethernet-Port (IP-852)
LIP-3333ECTB	CEA-709/IP-852 Router, 4 x TP/FT-10, 1 x Ethernet-Port (IP-852)
LPOW-2415B	Power supply unit with power connector 24 V DC, 15 W
LT-03	Network terminator, 1 x TP/FT-10 or TP/LPT-10 (bus or free topology), 1 x Network Access Connector RJ45
LT-13	Network terminator, 1 x TP/FT-10 or TP/LPT-10 (bus or free topology), 1 x TP/XF-1250
LT-33	Network terminator, 2 x TP/FT-10 or TP/LPT-10 (bus or free topology)

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