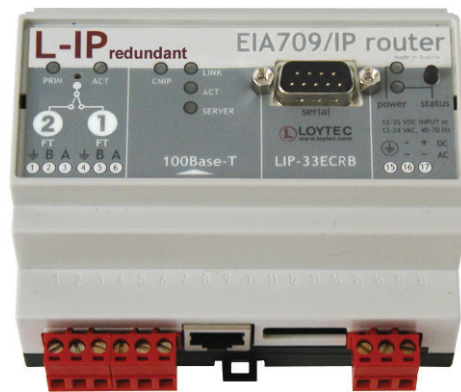


### Features

- ◆ Routes packets between CEA-709 and IP networks (10/100MBits/s Ethernet)
- ◆ Fully compliant with CEA-709, CEA-852 and EN14908
- ◆ Full redundancy with two L-IP redundant CEA-709/IP routers in parallel for the IP-Channel and the CEA-709 channel
- ◆ Device redundancy by mutual monitoring of paired L-IP redundant
- ◆ Monitoring the TP/FT-10 channel (ring structure) and of broken cable detection
- ◆ Shows broken cable
- ◆ Communication on the TP/FT-10 channel is sustained in case of a broken cable
- ◆ Nodes on the TP/FT-10 channel are monitored
- ◆ Messages and alarms are presented via SNVTS and LonMark-Alarming via the Node Object
- ◆ LNS Plug-In for an easy configuration
- ◆ Built in WEB server for L-IP redundant CEA-709/IP router and IP-852 channel configuration
- ◆ Built-in CEA-852 configuration server for 256 members
- ◆ Built-in Ethernet/IP-852 communication test
- ◆ Easy installation, Auto-NAT, roaming, DHCP
- ◆ Configured router mode support only
- ◆ Remote LPA support
- ◆ Network diagnostic LEDs
- ◆ CEA-709 status and activity LED
- ◆ Ethernet link and activity LED
- ◆ CEA-852 status and operating mode LED
- ◆ Remote monitoring of the supply voltage and device temperature
- ◆ MD5 authentication
- ◆ SNTP support for time synchronization
- ◆ Supports firmware update through serial port, Ethernet, and CEA-709 channel
- ◆ 12-35 V DC / 12-24 V AC supply voltage
- ◆ 105 x 86 x 60 (L x W x H in mm) i.e. 6 TE
- ◆ DIN-rail mountable



An L-IP redundant CEA-709/IP router can be used as a single device to achieve redundancy on the CEA-709 (TP/FT-10) channel by building a ring structure. If IT network redundancy is available, full redundancy on the IP-channel and on the CEA-709 channel can be achieved with two devices installed in parallel. In this case device redundancy is ensured as well by mutual monitoring of paired L-IP redundant routers.

In addition the L-IP redundant CEA-709/IP router monitors the nodes connected to the TP/FT-10 channel and creates an alarm, if a node fails. An integrated broken cable detection algorithm helps to locate the point of failure immediately.

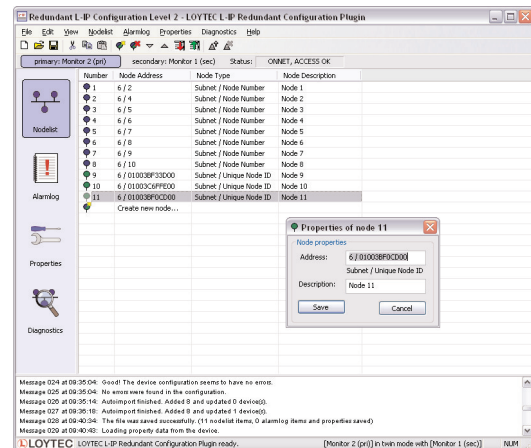
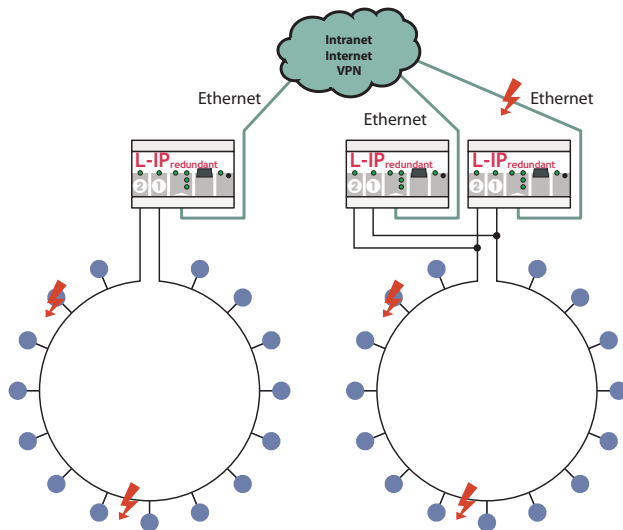
The L-IP redundant CEA-709/IP router routes CEA-709 packets back and forth through an arbitrary IP-based network, such as a LAN, an Intranet, or even the Internet. The L-IP redundant only supports the configured router mode.

Setting up a redundant network with the L-IP redundant becomes an easy task.

### Description

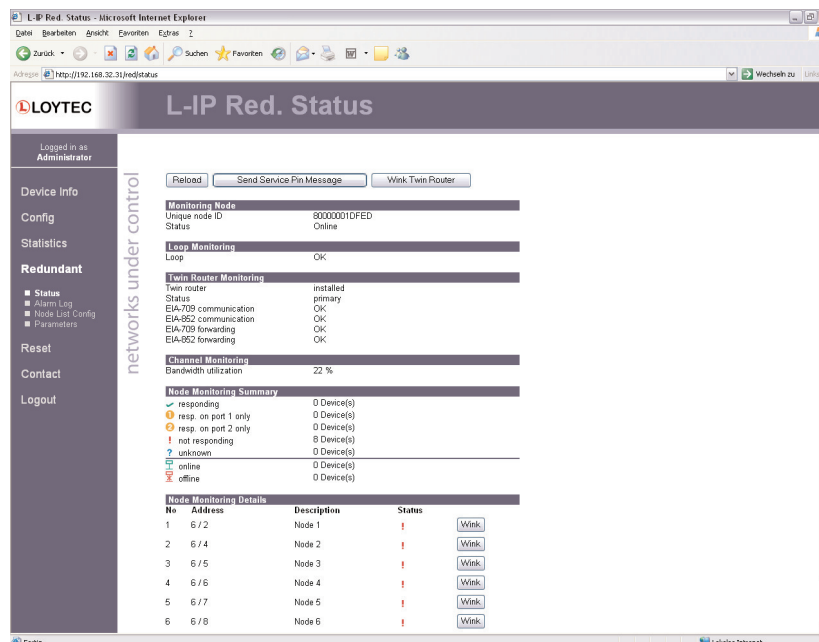
The L-IP redundant CEA-709/IP router is a perfect solution for networks where a high communication reliability is required. It is a member of the L-IP family, based on the standard L-IP routers and provides additional functionality, which allows to build a redundant network infrastructure.

Order Number	Configuration
LIP-33ECRB	1 x Ethernet, 2 x TP/FT-10



L-IP redundant CEA-709/IP routers can be used to build a redundant network infrastructure. As shown in the diagram above the L-IP redundant CEA-709/IP routers can be used as a single device if only redundancy on the TP/FT-10 channel is needed or paired if full redundancy is required.

An LNS plug-in allows an easy configuration of the L-IP redundant CEA-709/IP router. Nodes on the TP/FT-10 channel can be imported from an LNS database and listed in a node list. Furthermore the LNS plug-in gives access to an alarm log, the device properties and a diagnostics area.



Without using an LNS plug-in the L-IP redundant CEA-709/IP router can be configured via the built-in web server, which also shows the health status of the TP/FT-10 ring and the connected nodes.

LPA, L-Chip, L-Switch, L-IP, L-Proxy, L-VIS, L-INX, L-DALI, L-Gate, L-Core, LC3020 are trademarks of LOYTEC electronics GmbH. Other trademarks and trade names used in this document refer either to the entities claiming the markets and names, or to their products. LOYTEC disclaims proprietary interest in the markets and names of others.

LOYTEC reserves the right to make changes to these specifications without further notice for performance, reliability, production technique, and other considerations.