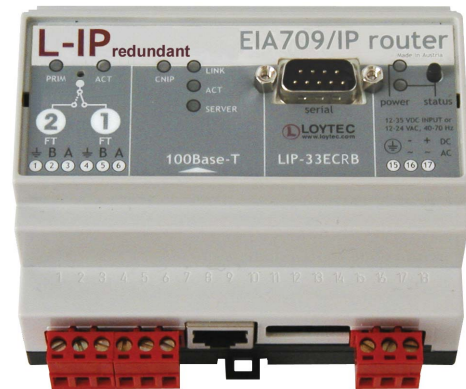


### Features

- ◆ Routes packets between ANSI/EIA-709 and IP networks (10/100Mbits/s Ethernet)
- ◆ Fully compliant with ANSI/EIA-709, EIA-852 and EN14908
- ◆ Full redundancy with two L-IP redundant EIA-709/IP routers in parallel for the IP-channel and the ANSI/EIA-709 channel
- ◆ Device redundancy by mutual monitoring of paired L-IP redundant
- ◆ Monitoring the TP/FT-10 channel (ring structure) and detection of a broken cable
- ◆ 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 SNVT\_state\_64 (165) and LonMark-Alarming via the Node Object
- ◆ LNS Plug-In for an easy configuration
- ◆ Built in WEB server for L-IP redundant EIA-709/IP router and IP-852 channel configuration
- ◆ Built-in EIA-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
- ◆ ANSI/EIA-709 status and activity LED
- ◆ Ethernet link and activity LED
- ◆ EIA-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 ANSI/EIA-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

### Description

The L-IP redundant EIA-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.



An L-IP redundant EIA-709/IP router can be used as a single device to achieve redundancy on the ANSI/EIA-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 ANSI/EIA-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.

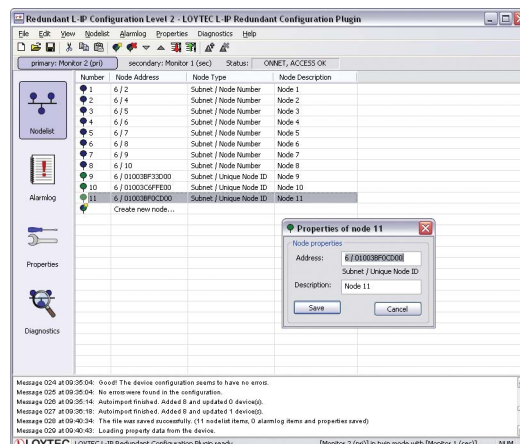
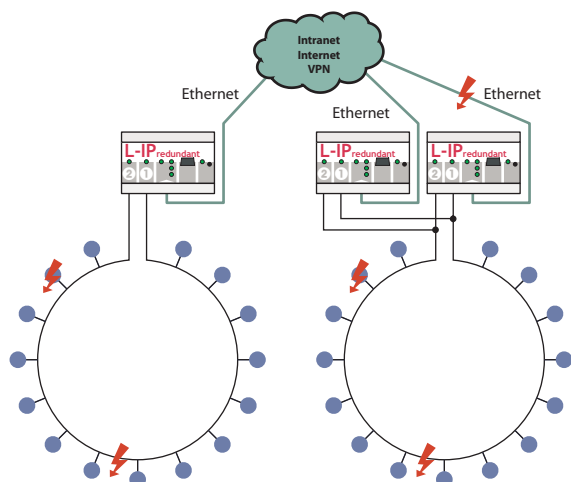
In addition the L-IP redundant EIA-709/IP router monitors the nodes connected to the TP/FT-10 channel and creates an alarm, if a node fails. An integrated broken cable detection algorithm helps to locate the point of failure immediately.

The L-IP redundant EIA-709/IP router routes ANSI/EIA-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.

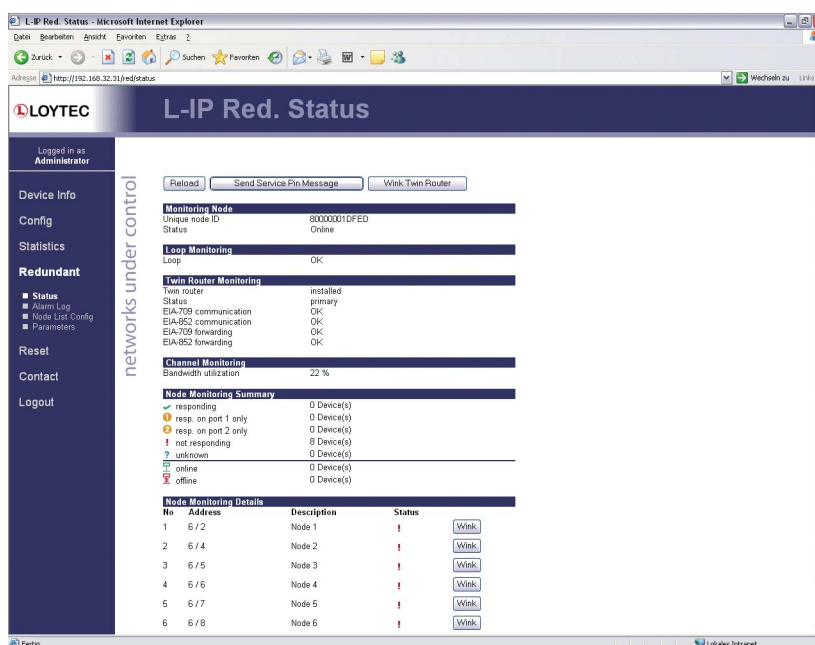
### Order Information

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



L-IP redundant EIA-709/IP routers can be used to build a redundant network infrastructure. As shown in the diagram above the L-IP redundant EIA-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 EIA-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 EIA-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.

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