

EPG module for the Luminato platform

The Teleste Luminato EPG module provides a compact EIT information processing platform for Cable TV operators. The EPG module enables flexible EIT information gathering from various sources, storage space for EPG data, versatile configuration options for the output EIT stream and seamless multiplexing into the outgoing multiplexes.



Small in size, big in performance

The Teleste Luminato EPG module is fully compatible with the high-performance Luminato chassis, where it can be fitted freely into any of the six module slots. In accordance with the Luminato system architecture, EIT data processing is performed on the EPG processor module, which enables low-cost applications, even with a partially equipped chassis.

Ease of use

The EPG module management feature is fully integrated into the Luminato management user interface, which enables a simple and easy configuration, even with the advanced settings.

User-defined output profiles make it possible to configure and use different types of EIT output streams in a flexible manner.

Rich and full-featured service

The EPG module creates full EPG information, including present/following and a schedule for actual and other transport streams. It makes it possible to control the playout rate and schedule and define languages in order of priority for the EPG stream. User-defined profiles make it possible to flexibly create and use outgoing EIT streams, thus giving efficient and optimised bandwidth usage.

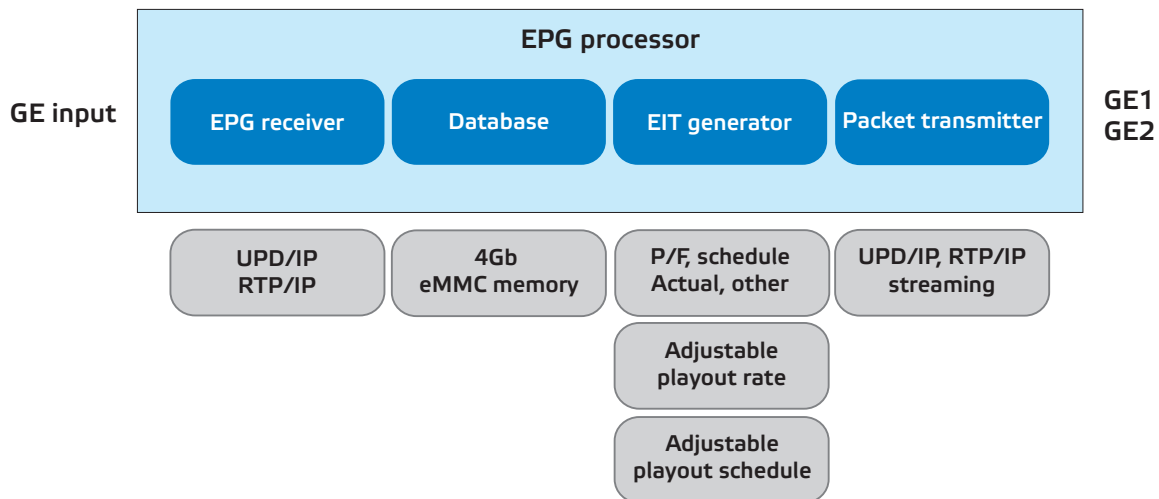
Support for a variety of EPG data sources

Any Luminato receiver module can provide EIT information to the EPG processor module. In addition, the EPG module is capable of receiving EPG data over IP connections either from the operators' internal network or over the Internet. Sources for the EPG data include any hosted, Internet-based EPG data service or, for example, Teleste Broadcast Manager. Also, file-based information (XMLTV) can be processed and played out using the EPG module.

Features

- Compact architecture compatible with the Luminato chassis
- Single EPG module can serve EPG data to all multiplexes of a headend
- Full-featured EPG functionality (present/following and a schedule for actual and other)
- Storage database for EPG information to guarantee uninterrupted service
- Utilises several EPG information sources (DVB stream, EPG data files, Internet services providing EPG information and Teleste Broadcast Manager)
- Generates user-defined EIT output profiles
- Multi-language EIT support with priority setting
- Support for numerous character tables
- Advanced tuning of event information repetition rates

Block Diagrams



Technical specifications

Interfaces		
External 10/100/1000Base-T	2 pcs	Broadcast Manager, web EPG source, external EIT stream
Internal	2 pcs	DVB stream EIT tables, management
Input		
Internal	EIT streams	
External stream	SDT, EIT streams	UDP/IP, RTP/IP
External file	XMLTV	0.5.64 or higher, License required
Maximum total EIT stream bit rate	50 Mbit/s	
Maximum total number of services	500 pcs	
Output		
Supported DVB networks	2 pcs	
Max. total EIT stream bit rate	50 Mbit/s	
Max. number of multiplexes	50 pcs	
Max. total number of services	500 pcs	
Internal storage		
Embedded volatile memory	1 GB DDR	
Embedded non-volatile memory	4 GB eMMC	
General		
Supply voltage	24 V	
Power consumption	5 W	typical
Connectors, RF	RJ-45 1000Base-T	2 pcs
Dimensions	20 x 109 x 253 mm	(H x W x D), dimensions excluding connectors and locking screws
Weight	0,35 kg	
Enclosure classification	IP21	
Operating temperature	-10...+55 °C	
Storage temperature	-30...+70 °C	
Specification is met	0...+45 °C	