



XLT1210S

Highlights

40 Mbps sustained throughput at up to 8 PIDs

Section packing increases satellite bandwidth utilization

SNMP-based network management

Easy-to-use HTML control Interface

□ Overview

The XLT 1210S Fast Ethernet Satellite Receiver

provides satellite-to-LAN connectivity. Designed to receive IP over DVB efficiently and route the incoming data over LAN, the XLT 1210S offers ease of integration and operational stability required for small and medium enterprise (SME) environments. The XLT 1210S is designed to deliver IP-based video, audio and data. In addition, the XLT 1210S increases satellite bandwidth utilization via section packing.

The XLT 1210S includes built-in management features enabling remote monitoring and control over LAN.

□ Benefits

Flexible Data Routing to LAN: Incoming multicast and unicast streams are easily routed onto the network or to a target device (e.g. server). Administration of incoming streams, including IP-packet TTL modification, provides easy customization for a wide variety of LAN environments.

Easy Installation and Network Integration: The XLT 1210S is simple to install, and initial settings can be defined using its console interface.

Remote Monitoring and Management: Satellite tuning, data handling, performance statistics, signal strength information, indications for signal/data lock and routing functions, are controlled and managed remotely over LAN/WAN or satellite link. Flexible management options include command line, Web-based remote management or standard SNMP-based management.

Security: Password protection provides added security to the network. Fixed Key CAS, provided with HTTP and SSL, ensures secure access to the XLT 1210S.

Flexible Architecture for Data Handling: The XLT 1210S supports Multi-Protocol Encapsulation (MPE) and enables configuration of MPE CRC and checksum. It supports a full network stack including UDP/TCP/IP protocols.

VBox Communications Ltd is a provider of customer premises receiver solutions for digital TV and data broadcasting networks. VBox's PCI cards and USB boxes provide a whole range of digital TV reception capabilities, including handling of encrypted content for Pay TV services and delivery of high-quality video, audio and data services. VBox also provides Routers and Gateways for the reception of data and high quality digital content from digital broadcast infrastructures and its distribution over LAN.

Specifications

RF Tuner

External connector: F type female
Receiving frequency: 950 MHz to 2150 MHz
Input signal level: -25 dBm to -65 dBm nominal
RF input impedance: 75Ω

LAN Interface

Connector: RJ-45
Interface Protocol: Ethernet 802.3
Bus Speed: 10/100 Mbps

LED Indicators

Power On
LAN led

Serial Ports

COM1: Command Line Interface for configuration

USB

4X USB 2.0

Data Rates

Output to LAN: 40 Mbps sustained

Demodulation and Error Correction

Symbol Rates: 1.5 -30 Msps - variable Viterbi Inner Code:
K=7, R=1/2, 2/3, 3/4, 5/6, 7/8
Reed-Solomon Outer Code: (204, 188), T=8

LNB Power and Switching

Supply Voltage Selectable: 13V or 18V
Max LNB Current: 400 mA
Antenna Control: 22 kHz signal

Data Handling and Demultiplexing

Multiprotocol Encapsulation (MPE)
Datagram and Section Packing
Unicast/Multicast Filtering
Multicast Addresses: 32
PID Filters: 8
UDP/TCP/IP Protocol
PES and TS Data Filtering
PSI/SI Private Tables
LLC SNAP/Null Encapsulation

Remote Management

SNMP agents and support for MIBII and private MIB
Web-based (HTTP) Control
Inband support (optional)

Routing Capabilities

TTL Modification

Security

Fixed Key CAS (optional)

Physical/Environmental

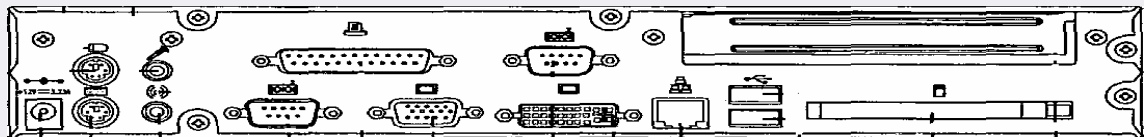
Size (H x W x D): 292x53x237 mm
Operating Temperature: 0 -40°C
(32 - 104°F)
Storage Temp: -10 - 85°C
(14 - 185°F)
Operating Humidity: 10% - 90%

Power Supply

12DC adaptor
Power input: 100-240 VAC
Power frequency: 50-60 Hz
Power Consumption: 50 W (typical)

Regulatory Compliance

UL, CE, FCC-Class B



VBox Communications Contact Information:

Marketing:

marketing@vboxcomm.com

Sales:

sales@vboxcomm.com

General:

info@vboxcomm.com

Contact Information for North America:

Optibase Inc.
880 Maude Ave
Mountain View, CA 94043, USA
Phone: + 1 800 451 5101
Fax: + 1 650 691 9998
Email: sales@optibase.com

www.vboxcomm.com

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and Broadband
Receivers**

