V@Box
Communications

Fast Ethernet Satellite Receiver

XLT1210S

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 though 10-based T, the XLT 1210S offers ease of integration and operational stability required for small office/home office (SOHO) environments. The XLT 1210S is designed to deliver IP-based video, audio and data. In addition, the XLT 1210S receiver/router increases satellite bandwidth utilization via section packing.

The XLT 1210S also includes built-in management features that enable remote monitoring and control over a LAN.

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 Inband

Configuration control over satellite Flexible

Architecture Supporting NDS/Nagra Conditional Access

Benefits

Flexible Data Routing to a Fast Ethernet LAN Incoming multicast and unicast streams are easily routed onto the network or to a target device e.g. a 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 Installation of the XLT 1210S is fairly easy and initial settings can be done 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, controlled and managed remotely through LAN/WAN or over the satellite link. Flexible management options include command line, Web-based remote management or standard SNMP-basedmanagement.

Security Receiver password protection provides added security to the network. FixedKey CAS is provided with HTTP and SSL insures secure access XLT 1210S. Other data security options available, including IP level decryption and Conditional Access.

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

V@Box
Communications

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)
IP Encryption (optional)

Physical/Environmental
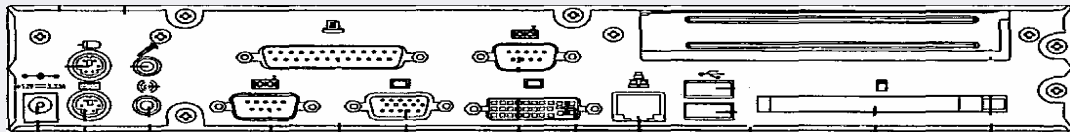Size (H x W x D):292x53x237 mm
Operating Temperature: 0 -40ºC
                           (32 - 104ºF)
Storage Temp: -10 - 85ºC
             (14 - 185ºF)
Operating Humidity: 10% - 90%

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:
Email: marketing@vboxcomm.com
Sales:
Email: sales@vboxcomm.com
General:
Email: 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

Digital Broadcast
and Broadband
Receivers