

XLT 1200S Series



Ethernet-Satellite Receiver/Router/Gateway



XLT 1200S Series

Highlights

40 Mbps sustained throughput at up to 8 PIDs

Section packing increasing satellite bandwidth utilization

SNMP-based network Management

Easy-to-use HTML Control Interface

Inband configuration control over satellite

- Overview** The XLT 1200S series fast Ethernet Satellite Receiver/Router (XLT 1210S) and Gateway (XLT 1220S) provides robust satellite-to-LAN connectivity. Designed to deliver IP multicast and unicast services for corporate and commercial-broadcast data networks, the XLT 1200S series offers ease of integration and operational stability demanded by network administrators.

Targeted at satellite service providers and small/medium enterprises, the XLT 1200S series is designed to deliver IP-based video, audio and data applications, including virtual private network, (VPN) intranet over satellite, broadband-Internet access, distance learning, point of sale kiosks and highly reliable multicast file distribution. The XLT 1200S series increases satellite bandwidth utilization using section packing. The XLT 1200S series also includes built-in management features, enabling remote monitoring and control over LAN.

- Benefits** **Flexible Data Routing to LAN:** incoming multicast and unicast streams are routed onto the network or to a server. Full control of incoming streams, including address remapping and IP-packet TTL modification, provides easy customization for a wide variety of LAN environments.

Easy Multicast Network Integration: the XLT 1200S series minimizes network traffic by implementing Internet Group Management Protocol (IGMP), enabling automatic detection of active clients on the sub-net and forwarding only requested services. VBox's VersaCast™ technology allows the administrator to setup and modify the rules for Conditional Access on each incoming multicast group or service.

Remote Monitoring and Management: satellite tuning, data handling, performance statistics, and routing functions can be 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: receiver password protection provides added security to the network. Fixed key CAS is provided in the standard product.

Flexible Architecture the XLT 1200S series provides customization options enabling a single-device solution utilizing off-the-shelf or custom application software.

Gateway Capabilities: the XLT 1220S includes gateway capabilities, with a variety of return channel options

VBox Communications is a provider of customer premises receiver solutions for digital TV and data broadcasting networks. VBox's product line provides 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





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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

LNB Power and Switching

Supply Voltage Selectable: 13V or 18V
 Max LNB Current: 400 mA
 Antenna Control: 22 kHz signal
 DiSEqC: 1.0, 1.1, 1.2 supported/optional
 Over Current and Short Circuit Protection

Demodulation and Error Correction

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

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

LAN Interface

Connector: 1x RJ-45
 Speed: 10/100 Auto-Sensing
 Output to LAN: 40 Mbps sustained

Remote Management

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

Routing Capabilities

IGMP Support (V1, V2)
 Versacast™ Technology
 Multicast Address Remapping
 Policy-based control over each inbound multicast
 and unicast stream
 TTL Modification

Security

Fixed Key CAS
 IP Encryption (optional)

Return channel (XLT1220 only)

V.90 - 56 kbps max over POTS (external option)
 ISDN - 128 kbps 2BRI channels (external option)
 PPP - RFC1661
 DHCP - RFC2131
 NAT - RFC1631
 Demand-dial

Gateway LAN administration (XLT1220 only)

DHCP - RFC2132
 DNS - RFC1877
 WINS

LED Indicators

Power On
 LAN traffic

Physical/Environmental

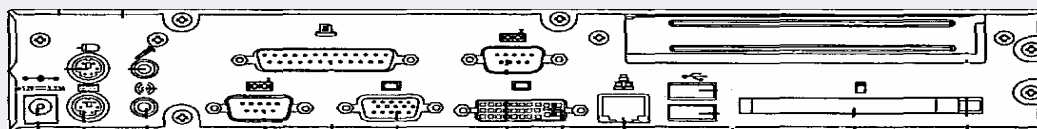
Size (H x W x D): 292x53x237 mm
 Operating Temperature: 0 -40°C (32 - 104°F)
 Storage Temp: -10 - 85°C (14 - 185°F)
 Operating Humidity: 10% - 90%

Power Supply

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

Regulatory Compliance

UL, CE, FCC-Class B



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