
VX-1000HDx

48 Port ADSL2+ IP DSLAM

Multi- Level Protection Circuit

The VX-1000HDX 48 port ADSL2+ IP DSLAM unit from Versa Technology is a mini-DSLAM designed for installations of access networks. The DSLAM is an ideal broadband access solutions with advanced service support for IP networks. The energy-efficient unit features a space saving design that fits perfectly in tight locations.



HDx

Features

Multi-ADSL Speed Features

- ADSL, ADSL2 and ADSL2+ support through the POTS/ISDN user interface.

Sleek, Compact Solution

- Provides 48 ports ADSL2/2+, only by 1.5U chassis space.
- Built-in splitter for 48 port variety in 1.5U space.
- Stackable for higher port density.

Wide Temperature Range

- Operating Temperature: -10°C to 65°C
- Relativity Humidity: 5% to 95% (non-condensing) at 35°C.

System Overheating Protection

- FAN alarm indicates if FAN malfunctions
- System temperature monitoring with trap support.

Single IP Management for System Cascading

- Cluster IP management when ADSL2+ IP DSLAM cascading.
- Cluster IP management when ADSL2+ IP DSLAM cascade with other Versa Technology DSLAM units.

Benefits

Scalable Solution

The VX-1000HDX ADSL2+ IP DSLAM unit from Versa Technology features 48 ports. This gives users the ability to generate additional revenue with minimum installation time and expense.

Expanded Revenue Opportunities

The mini-DSLAM offers flexibility to service providers to deliver various services by offering a wide range of multiple DSL connectivity speeds at different prices.

Compact Design for Limited Space

The ADSL2+ IP DSLAM occupies only 1.5U of standard Telco rack space. It will easily fit in existing remote terminals.

High Reliability and Easy Maintenance

Each ADSL2+ IP DSLAM unit from Versa Technology is equipped with a fan and air filter unit. The unit features low power requirements plus full diagnostic and alarm reporting capability. The DSLAM features SNMP, CLI and Web GUI based powerful, easy-to-use features include remote access and software downloads that help service providers minimize daily operational costs.

Network Interface

- 2 x 100/1000 Based-Tx or 2 x mini-GbE

Subscriber Interface

- 48 ports ADSL2+/POTS/ISDN (G.992.1 .2 .3 .5)

System Configuration

- Multiple-session TELNET
- Supports point-to-point VCC link
- Software Remote upgrade

Alarm and Status Surveillance

- Automatic alarm/LED indication for alarm and system status
- Maintenance signal for OAM functionality
- Four housekeeping inputs and one alarm contact closure outputs.

Network Management

- Memory back-up
- Database export and import functionality
- RS-232 serial and Ethernet 10/100 port for local management
- NMS/EMS for Multiple Nodes Management based on SNMP (option)

Service Characteristics

Ethernet

- IEEE 802.1d Spanning tree protocol (STP)
- IEEE 802.3ad Link aggregation
- Security on console access

OSI Layer 2 Functionality

- MAC filtering and count limit
- Access control list (ACL)
- Multicasting Support
- Broadcast control and broadcast rate limit
- Port-based and 802.1p/q Tag-based virtual local area network (VLAN)
- IGMP v1/v2/v3 snooping and Proxy
- SNMP v1 and v2c
- Remote Statistic (1, 2, 3, 9 groups)

Performance Monitoring

- Monitors line attenuation, noise margin, current rate, loss of signal, loss of framing, loss of power and error second performance data.
- Provides 15-minute and 1-day counters for history record.

Management Information Base (MIB)

- FC 1213 SNMP MIB II
- RFC 1493 Bridge MIB
- RFC 1643 Ethernet MIB
- RFC 2674 Q MIB
- RFC 1757 RMON MIB, group 1,2,3,9
- ADSL Line MIB
- Versa Technology proprietary MIB

Dimensions

1.5U: 66mm x 482mm x 265mm (H x W x D) 48 Ports with splitter built-in

Environmental

- Operating Temperature: -10°C to 65°C
- Operating Humidity: 5% to 95% non-condensing

Power Requirements

- Input: AC 100 VAC to 240 VAC
- Input: -48 V DC (-42 V to -56 V) (optional)
- Dual A+B -48 V DC power input terminal (optional)

Certification

- FCC-Class A
- ITU-T K.20
- ETSI 300-019, 300-386
- EN 60950
- Conform to CE requirements
- RoHS Compliant