



## 24-port VDSL2 IP DSLAM



### Description

**V224** is a 1.5U compact 24-port VDSL2 IP DSLAM with 2 Gigabit Ethernet Combo interfaces and built-in POTS/ISDN splitter. It is compliant to ITU-T G.993.2 standard and supports VDSL2 30a profile that features 100Mbps of symmetric data rate over the existing copper wires. **V224** is an ideal choice for Carriers, ISPs and System Integrators that are looking for a high performance broadband solution for their triple play (Video, Voice and Data) applications.

**V224** is designed to connect with the growing Carrier Ethernet infrastructure, it provides great flexibility for service providers to customize their services and brings them reliable, secure and high quality network access at low cost. In addition, **V224** offers user-friendly management interfaces that allow service providers to monitor and control their services in a highly secure and efficient way. It features the supports for Port-based/Protocol-based VLAN, Q-in-Q, VLAN Mapping, VLAN translation, L2/L3 frame filtering and secured forwarding. Furthermore, **V224** supports traffic classification including CoS (802.1), VLAN ID, ToS and DSCP. With all these powerful and advanced features, **V224 VDSL2 IP DSLAM** is the perfect solution for network service providers to deploy their broadband access, IP TV, Hospitality and MDU applications.

### Features

- 1.5U Compact Design with 24 VDSL2 Ports and built-in POTS/ISDN Splitter.
- Supports VDSL2 Profiles 8a/8b/8c/8d/12a/12b/17a/30a.
- Supports Powerful Traffic Classification Tools, such as QoS, ToS and DSCP.
- Supports L2/L3 Content Filtering.
- Supports Port-Based VLAN, Protocol-Based VLAN and VLAN Mapping.
- Supports L2 Bridge Functions (IEEE 802.1d) and Multicast.
- DHCP Server/Relay/Client
- DNS Proxy
- Flexible Deployment and Maintenance.
- Web-based management with a user friendly interface.
- Configuration backup and restoration.



## Specifications

### Hardware Interfaces:

- RJ-21 connector for 24 x VDSL2 Port
- RJ-21 connector for 24 x POTS/ISDN splitter (Optional)
- 2 x Gigabit Ethernet Combo ports (100/1000 Based-T and SFP)
- 1 x RJ-45 Console Port
- 1 x RJ-45 Alarm Port

### LED Indicators:

- System: PWR
- Gigabit Port: LINK/ACT, SPEED 1000/100
- Alarm: RUN/ALARM
- VDSL: VDSL Link/Sync

### Standards Support:

- VDSL2 ITU-T G.993.2
- VDSL2 Profiles: 8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a
- 802.1d L2 Bridging
- DHCP Server/Client/Relay
- IEEE 802.1q VLAN (Port-based VLAN and Protocol-Based VLAN)
- VLAN Stacking (Q-in-Q)
- IEEE 802.1p Spanning Tree Protocol (STP)
- IEEE 802.3ad Link Aggregation

### Protocol Support:

- IGMP Snooping/Proxy v1, v2 and v3
- Multicast Forwarding with IGMP Snooping v1 and v2 (RFC 1112 and RFC 2236)
- Multicast MAC address mapping

- Up to 512 Multicast Channels
- Profile-based Multicast Access Control (up to 24 profiles)
- Fast and Normal Leave Modes

### Security:

- L2 Frame Filtering by MAC Addresses
- L3 Frame Filtering by IP Addresses, protocol ID, and TCP/UDP
- DHCP and ARP Broadcasting Frames Filtering
- Support Secured Forwarding

### Management:

- Local Management: RS-232 and Telnet CLI, Web/SNMP management.
- Remote in-band Management: Web/SNMP/Telnet
- Support SNMP v1/v2/v3

### Operating Environment

- Operating Temperature: -10°C to 50°C
- Storage Temperature: -40°C to 70°C
- Humidity: Up to 95% (non-condensing)

### Physical/Electrical

- Dimensions: 435 x 260 x 67 mm, 1.5U height
- Power: 100-240 V ac, 50-60 Hz
- Power Consumption: 90Watts maximum

### Regulatory Compliance

- CE
- EN60950

## Order Information

V224	24-Port VDSL2 IP DSLAM
V224S-US	24-Port VDSL2 IP DSLAM with POTS splitter(600 ohm)
V224S-EU	24-Port VDSL2 IP DSLAM with POTS/ISDN splitter(900 ohm)



## Application

\*Places: Campus, Hotel, MDU/MTU

\*Data/Voice/Video convergence over DSL(2-wired) network

