24-Port VDSL2 IP-DSLAM

Introduction

Proscend 724M Series is a 1.5U compact 24-port VDSL2 IP DSLAM with 2 Gigabit Ethernet Combo interfaces and built-in POTS 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.   **724M Series** 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.

Proscend 724M Series 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, **724M Series** 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, **724M Series** supports traffic classification including CoS (802.1), VLAN ID, ToS and DSCP.

With all these powerful and advanced features, **724M Series 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 splitter
- Provides 3-FAN cooling mechanism and support low/middle/full speed based on programming temperature
- Supports VDSL2 Profiles 8a/8b/8c/8d/12a/12b/17a/30a
- Supports powerful traffic classification tools including QoS, ToS and DSCP
- Supports Port Security with MAC address filtering
- Supports Port-Based VLAN, Protocol-Based VLAN and VLAN Mapping
- Supports IEEE 802.1d STP & IEEE-802.1s MSTP
- DHCP /Client/Relay/Option82
- DNS Proxy
- Flexible deployment and maintenance
- Web-based management with a user friendly interface
- Configuration backup and restoration

Specifications

Hardware Interface
- RJ-21 connector for 24 x VDSL2 Port
- RJ-21 connector for 24 x POTS 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 for 4 Alarm Inputs

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 /Client/Relay/Option82
- IEEE 802.1q VLAN Tag base
- VLAN Stacking (Q-in-Q)
- IEEE 802.1d 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
- 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
- Profile-based Access Control (up to 24 profiles)

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: 5% - 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
- FCC Part 15 Subpart B
- VCCI
- EN60950

Ordering Information

Model Name	Description
724M	24-Port VDSL2 IP DSLAM
724MS	24-Port VDSL2 IP DSLAM with POTS splitter(600/900 ohm)

* Features and specifications are subject to change without prior notice.