



# 4 Band VDSL 8-Ports Managed IP DSLAM with 2 Giga Ethernet Ports

## General Description

The VS-800S is a VDSL IP DSLAM that aggregates 8 lines of 4-band Very-High-Data-Rate Digital Subscriber Line (VDSL) up to 50 Mbit/s full duplex into Giga Ethernet uplinks for high-speed data / Internet services. Based on QAM-based 4-band VDSL technologies, VSF-800S extends data service with line rate of solution for services such as remote lecturing, telemedicine, video conferencing, Video-on-Demand (VoD), IP-TV etc. Internet access, and other various high-speed data applications. When the number of subscribers increases, the second uplink fast Ethernet interface can be used to daisy chain to another VS-800S. Alternatively, multiple VS-800S can be connected to another LAN switch to form a two-tier configuration, thus supporting a lot more subscribers. The VS-800S is an ideal solution for delivering cost-effective, high-performance broadband/multimedia services to Multi-Tenant Units (MTUs) or Multi-Dwelling Units (MDUs) such as hotels, campus, hospitals and telecom.

## Key Features & Benefits

- Supports 5M/15M/25Mbps (50 Mbit/s full duplex) per port symmetrical bandwidth over phone wiring with long driver capable up to 1.7/1.1/0.6Km with auto speed.
- Supports GARP/GVRP IEEE-802.1p/q VLAN, IEEE 802.1q tagging VLAN, IEEE 802.1v protocol VLAN, port base VLAN.
- Supports quality of phone wiring detected with SNR (Signal to Noise Ratio) indications
- Supports QOS IEEE-802.1p
- Supports Multicast IP table/IGMP v2 with 512 groups
- Supports LACP IEEE-802.3ad Port Trunking (Link aggregation)
- Supports IEEE 802.1d Spanning trees for MAC bridge with redundant link
- Supports port Mirroring (Sniffer) and Broadcast Storm filtering
- Supports port security with MAC address filtering
- Supports Web Base and Telnet for remote management
- Supports SNMP v1 RFC-1493 Bridge MIBs, RFC-1643 Ethernet MIB, RFC-1213 MIB II, RubyTech Enterprise MIB(Fan and Temperature management)
- Supports RMON groups 1 (Statistics), 2 (Alarm), 3 (Event), 9 (History)
- Supports TFTP/XMODEM for firmware upgrade
- Supports In-Band/Out-of-Band Management
- Cascading up to 8 Units along with Giga switch
- Spectral compatibility with XDSL, ISDN (2B1Q/4B3T), HomePNA



**VS-800S VDSL 8-Port Switch with 2 Gigabit Ethernet Ports**



**Also available as Bundle with VC-112RT VDSL Modems**

**The real standard compliant VDSL solution**

**Details under:  
[www.rubytech-brasil.ws](http://www.rubytech-brasil.ws)**

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## Product Specification

**Standard:** IEEE802.3, IEEE802.3u, IEEE802.3ab, Compliant with ETSI, ITU, ANSI

**Interface:** 2 \* RJ-45 10/100/1000 Mbit/s Ethernet ports  
8 \* RJ-45 connector for VDSL connection  
8 \* RJ-45 connector for POTS/ISDN connection

**Flow control:** Full duplex: IEEE 802.3x Half duplex: Back pressure

**MAC address table:** 8K Entries

**LED indication:** Power and POST Link/Active/Speed Status for Ethernet port Link for VDSL port

**VDSL Frequency Spectrum:** Transmitter: 900 KHz ~ 3.9MHz  
Receiver: 4MHz & 7.9MHz

**POTS/ISDN pass filter Spectrum:** 0 ~ 630KHz

**Operating Temperature:** 0°C ~ 50°C

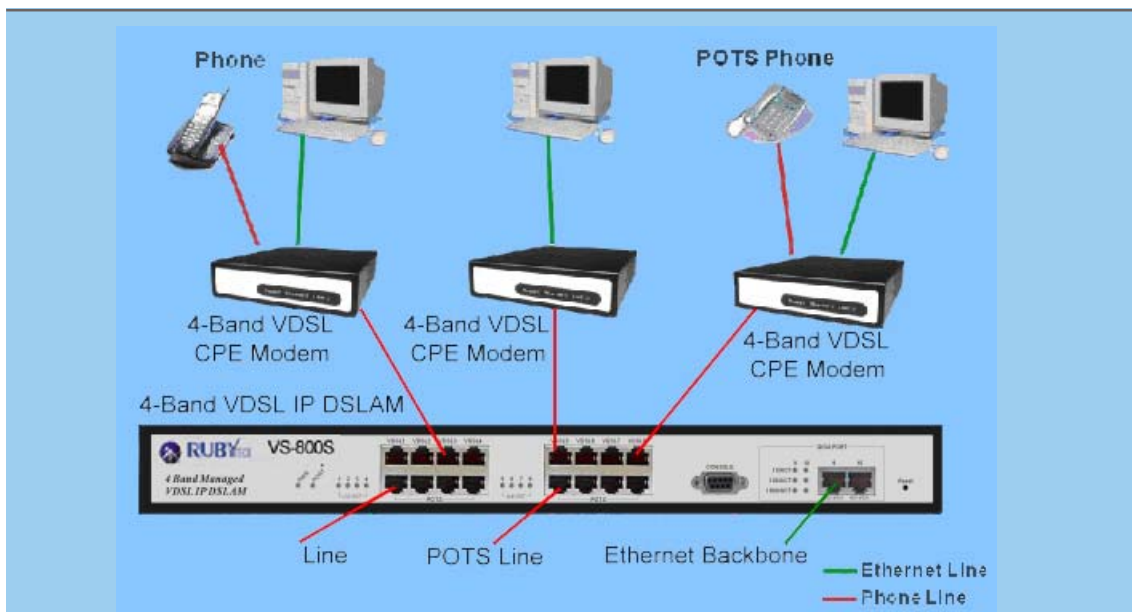
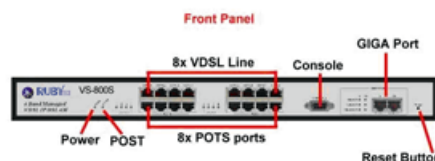
**Storage Temperature:** -20°C ~ 65°C

**Humidity:** 10 to 90% (non-condensing)

**Dimensions:** 435 x 255 x 44 mm



VS-800S with remote VC-112 RT



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