

General Description

The NVF-800S is a VDSL IP DSLAM that aggregates 8 lines of 4-band Very-High-Data-Rate Digital Subscriber Line (VDSL) into Giga Ethernet uplinks for high-speed data/Internet services.

Based on QAM-based 4-band VDSL technologies, NVF-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 high-speed data applications. NVF-800S also supports IGMP snooping by 1K IP multicast table for VoD and video conference and Internet games application.

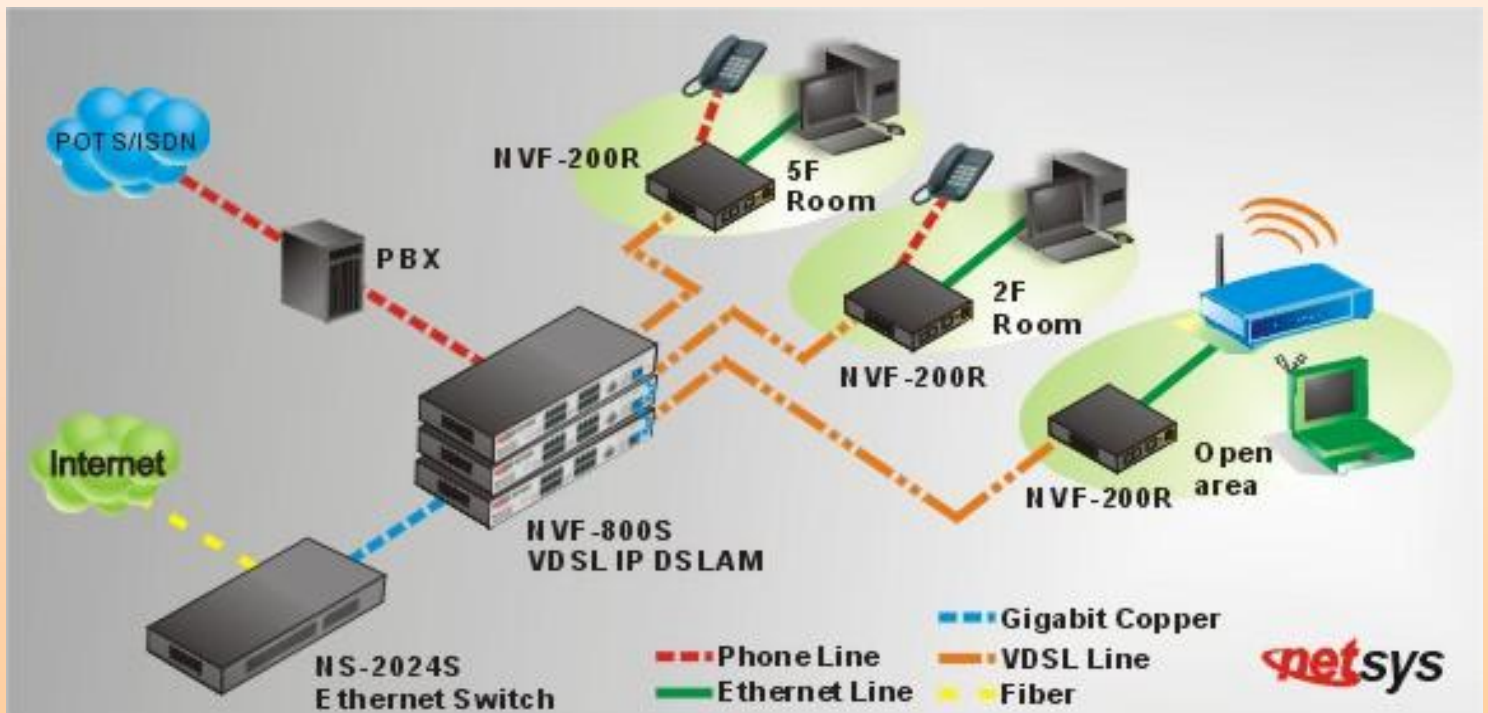
When the number of subscribers increases, the second uplink fast Ethernet interface can be used to daisy chain to another NVF-800S. Alternatively, multiple NVF-800S units can be connected to another LAN switch to form a two-tier configuration, thus supporting a lot more subscribers. The NVF-800S is an ideal solution for delivering cost-effective, high-performance broadband and multimedia services to Multi-Tenant Units (MTUs) or Multi-Dwelling Units (MDUs) such as hotels, campus, hospitals and telecom.

**Supports 8 ports
VDSL connector**

**Symmertic
5/15/25 Mbps**

**QAM 4-Band
Technology**

Application Diagram



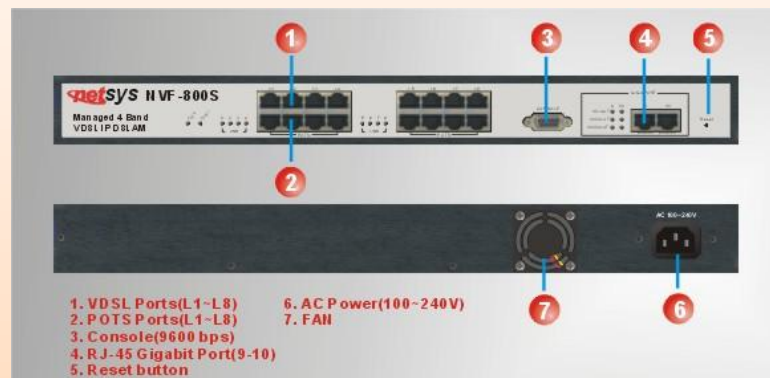
Key Features & Benefits

- Supports 5M/15M/25Mbps per port symmetrical bandwidth over phone wiring with long driver capable up to 1.7/1.1/0.6Km(5666/3666/1999 feet) 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 Interleave delay for Data Error & Noise Against
- Supports QOS IEEE-802.1p
- Supports Multicast IP table/IGMP v2 with 1k 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, Netsys 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

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Product Specifications

Standard:	IEEE802.3 standard IEEE802.3u standard IEEE802.3ab standard Compliant with ETSI, ITU, ANSI standards
Interface:	2 * RJ-45 10/100/1000Mbps Ethernet port 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
Power Consumption	18.7W
Operating Temperature:	-20°C ~ 70°C (-4°F ~ 158°F)
Storage Temperature:	-20°C ~ 70°C (-4°F ~ 158°F)
Humidity:	10 to 90% (non-condensing)
Dimensions:	435 x 255 x 44 mm