



General Description

The NVF-2400S is a VDSL IP DSLAM that aggregates 24 lines of 4-band Very-High-Data-Rate Digital Subscriber Line (VDSL) into Giga Ethernet uplinks for high-speed data/Internet services.

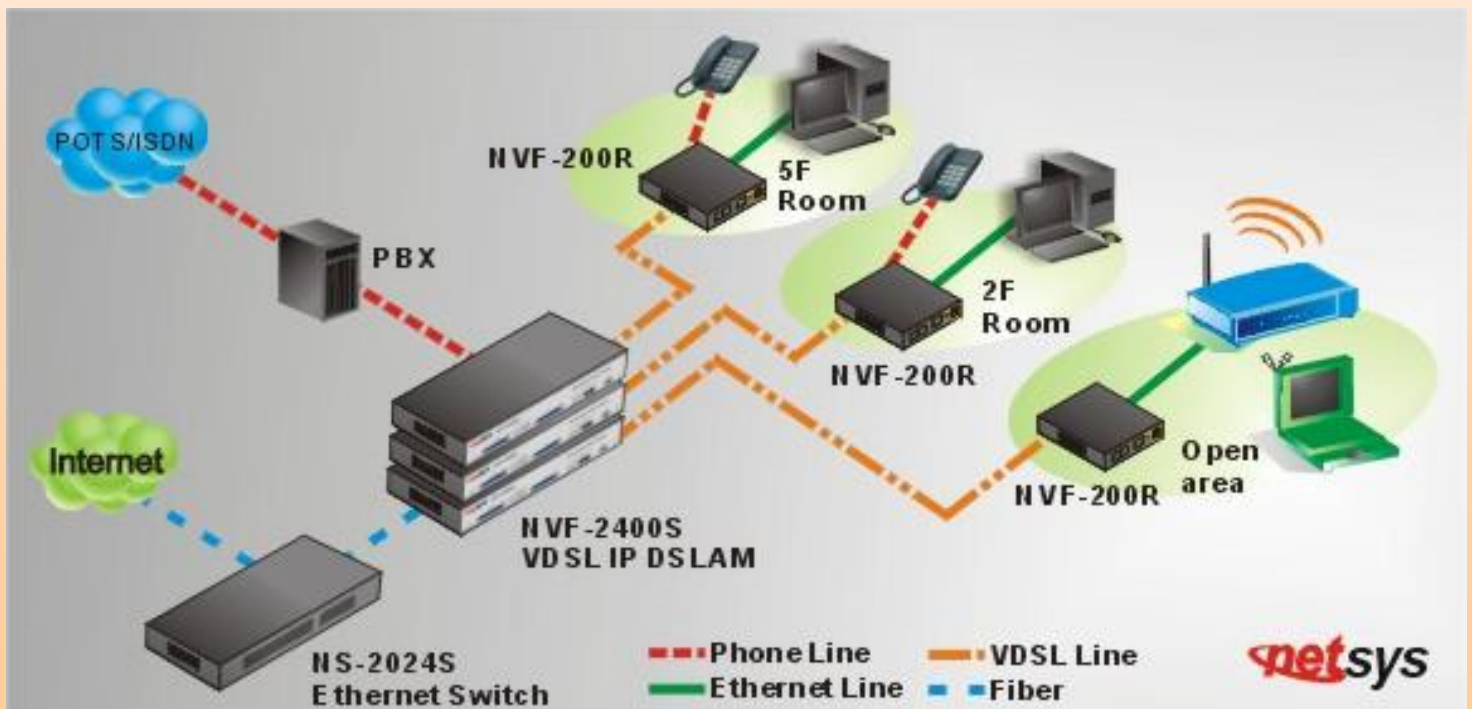
Based on QAM-based 4-band VDSL technologies, NVF-2400S extends data service with line rate of solution for services such as remote lecturing, telemedicine, video conferencing, Video-on-Demand (VoD), IP-TV, Internet access and other high-speed data applications. NVF-2400S also supports IGMP snooping by 256 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-2400S. Alternatively, multiple NVF-2400S can be connected to another LAN switch to form a two-tier configuration, thus supporting a lot more subscribers.

The NVF-2400S 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.

**Supports 24 ports
VDSL connector**

**Symmertic
5/15/25 Mbps**

**QAM 4-Band
Technology**



NVF-2400S Features & Specifications

Ethernet Beyond 100 Metres



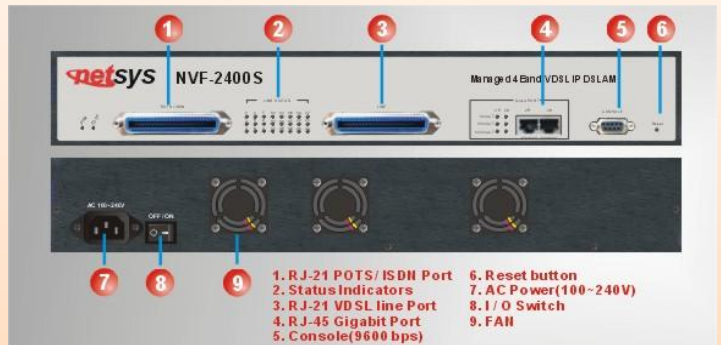
Key Features & Benefits

- Support bandwidth management (speed rate control) from 100K to 5M/15M/25Mbps for VDSL port with long driver capable up to 1.7/1.1/0.6km (5666/3666/1999 feet)
- Support GARP/GVRP IEEE-802.1p/q tagging VLAN, IEEE 802.1v protocol VLAN, port base VLAN
- Support quality of phone wiring detected with SNR(Signal to Noise Ratio) indications
- Supports Interleave delay for Data Error & Noise Against
- Support QOS IEEE-802.1p
- Support IGMP V2 snooping by 256 IP multicast table, BOOTP/DHCP Client, bandwidth control
- Support LACP IEEE-802.3ad Port Trunking
- Support IEEE 802.1d Spanning Trees
- Support Port Mirroring (Sniffer) and Broadcast Storm filtering
- Support 802.1x Port Based Network Access Control
- Supports DHCP client
- Support Web Base and Telnet for remote management
- Support SNMP v1 RFC-1493 Bridge MIBs, RFC-1643 Ethernet MIB, RFC-1213 MIB II, Enterprise MIB
- Support RMON groups 1, 2, 3, 9 (RFC-1757 RMON MIB)
- Support TFTP/XMODEM for firmware upgrade
- Support In-Band/Out-of-Band Management
- Support RS-232 console port for functions set up (DB-9Pin Female / 9600bps)
- Spectral compatibility with XDSL, ISDN (2B1Q/4B3T), HomePNA
- EMI certified by CE, FCC
- Safety compliant: EN60950-1

**Supports 24 ports
VDSL connector**

**Symmertic
5/15/25 Mbps**

**QAM 4-Band
Technology**



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 24 * RJ-21 connector for VDSL connection 24 * RJ-21 connector for POTS/ISDN connection
Flow control:	Full duplex: IEEE 802.3x Half duplex: Back pressure
MAC address table:	6K Entries Power and POST
LED indication:	Link/Active/Speed/Duplex 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	38.5W
Operating temperature:	0°C ~ 50°C (32°F ~ 122°F)
Storage temperature:	-20°C ~ 65°C (-4°F ~ 149°F)
Humidity:	10 to 90% (non-condensing)
Dimensions:	434 x 299 x 66 mm

Copyright ©2009 by National Enhance Technology Corp. All rights reserved.