NVF-2400S

4 Band VDSL 24 Ports Managed IP DSLAM with 2 Giga Ethernet

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- QAM 4-Band Technology
- Symmetric 5/15/25 Mbps
- Support 24 ports VDSL connector

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 etc. Internet access and other various 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.

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
- Support QOS IEEE-802.1p
- Support IGMP V2 snooping, 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
- 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
- Supports Interleave Setup
- Support RS-232 console port for functions setup (DB-9Pin Female / 9600bps)
- Spectral compatibility with XDSL, ISDN (2B1Q/4B3T), HomePNA
- EMI certified by CE, FCC
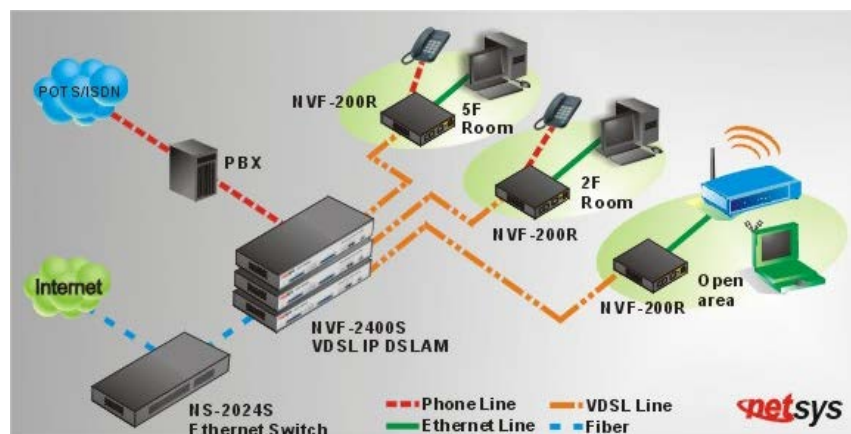- Safety compliant: EN60950-1

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
LED indicators:	Power and POST
	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

Note:
Specifications in this datasheet are subject to change without prior notice.
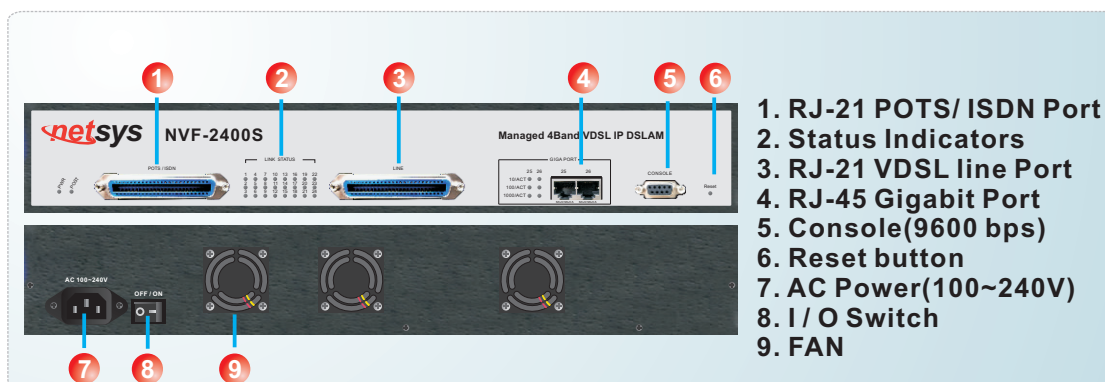
Application Diagram

Compatible Product

NVF-200R

Detailed View

1. RJ-21 POTS/ ISDN Port
2. Status Indicators
3. RJ-21 VDSL line Port
4. RJ-45 Gigabit Port
5. Console(9600 bps)
6. Reset button
7. AC Power(100~240V)
8. I / O Switch
9. FAN

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