

NVF-400R

4 Band VDSL CPE Bridge with 4 ports Switch

General Description

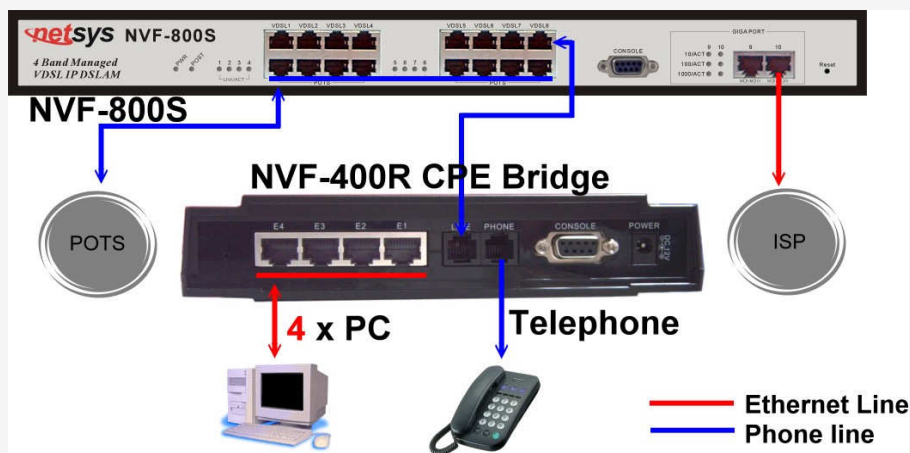
The NVF-400R utilizes Ethernet to /from VDSL subscriber-site conversion bridge. The NVF-400R uses QAM-based 4-band VDSL technology which supports high bandwidth up to 25Mbps symmetrical data service.

The NVF-400R also works with NVF-800S / NVF-2400S VDSL IP DSLAM, together to form a cost-effective solution for services such as remote lecturing, telemedicine, video conferencing, Video-on-Demand (VoD), IP-TV etc. Internet access, and various high-speed data applications.

The front-panel provides LED indication of system and interface status. The built-in POTS/ISDN splitter allows a standard POTS phone or ISDN device to be connected. Full or half-duplex mode of LAN operations is automatically sensed and configured. VDSL link rates are configured by local IP DSLAM over fix-speed and auto-speed function.

Therefore, NVF-400R supports fix-speed, auto-speed, plug & play operations on the subscriber-site, and are part of an ideal solution for delivering cost-effective, high-performance broadband/multimedia services to Multi-Dwelling Units (MDU) and Multi-Tenant Units (MTU) environments such as hotels, campus, hospitals and telecom.

Application Diagram



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Order Information: NVF-400R (4 Band VDSL CPE Bridge with 4 ports Switch)
NVF-2400S (4 Band VDSL 24ports Managed IP DSLAM)
NVF-800S (4Band VDSL 8ports Managed IP DSLAM)



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Key Features & Benefits

- Compliant with IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standards
- Compliant with ETSI, ITU, ANSI standards
- Supports high bandwidth up to 25Mbps symmetrical
- Provide LED indicators for Power, Link/Active Status for Ethernet port and 5/15/25Mbps link/speed for VDSL port
- Support 1 x RJ-11 connector for Ethernet over VDSL
- Support 1 x RJ-11 connector for telephone/PBX connection
- Support 4 x RJ-45 port for 10/100Mbps Ethernet with Auto MDI/MDIX
- Support POTS/ISDN voice pass and 4 wires phone set pass through
- Support Auto-speed and full-duplex for VDSL port
- Supports long packet size up to 1536 bytes
- Voice and Data work on the same telephone line
- Spectral compatibility with xDSL, ISDN (2B1Q/4B3T)
- Supports flow control IEEE802.3x for Full-Duplex / Back Pressure for Half-Duplex
- Supports Surge protection
- EMI certified by CE, FCC

Product Specification

Standard:	IEEE802.3 standard IEEE802.3u standard Compliant with ETSI, ITU, ANSI standards
Interface:	4 x RJ-45 10/100Mbps Ethernet port 1 x RJ-11 connector for EoVDSL 1 x RJ-11 connector for telephone connection 1 x RS-232C / 19200bps for Console port
Cable Connections:	RJ-45 (Ethernet): Category 3, 4, 5 UTP/STP RJ-11 (EoVDSL): Twisted-Pair phone wire
LED indications:	Power Link/Active Status for Ethernet port 5/15/25Mbps Link/Speed for VDSL port
VDSL Frequency Spectrum:	Transmitter: 4MHz ~ 7.9MHz Receiver: 900 kHz ~ 3.9MHz
POTS/ISDN pass filter Spectrum:	0 ~ 630kHz
Power Consumption:	6W
Operating Temperature:	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature:	-20°C ~ 70°C (-4°F ~ 158°F)
Humidity:	10 to 90% (non-condensing)
Dimensions:	184 x 146 x 40 mm (7.2" x 5.74" x 1.57")
External Power Adapter:	Input: AC 85~240 volts/50~60Hz Output: DC 12V/1A

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