

NVF-200R

4 Band VDSL CPE Bridge with DIP-Switch



**QAM 4-Band
Technology**

**Symmetric
5/15/25 Mbps**

**EMI certified by
CE/FCC B/VCCI B**

General Description

The NVF-200R works as Ethernet to/from VDSL subscriber-site conversion bridge. It uses QAM-based 4-Band VDSL technology. Which supports 5M/15M/25Mbps per port symmetrical bandwidth over phone wiring with long driver capable up to 1.9/1.3/0.8Km (6333/4333/2666 feet).

The NVF-200R 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, Internet access, and various high-speed data applications.

The front-panel provides LEDs indication of system and interface status. The builtin 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 DSLAMs over a fix-speed and an auto-speed function. Therefore, NVF-200LS 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 point to point Application.

Key Features & Benefits

- Compliant with IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standard
- Compliant with ETSI, ITU, ANSI standards
- Support auto speed and 25/15/5M fix mode selectable through DIP switch
- Max 5M/5M distance up to 1.9km(6333ft), 15M/15M distance up to 1.3km(4333ft), Max 25M/25M distance up to 800m(2666ft)
- Supports 1 * RJ-11 connector for Ethernet over VDSL
- Supports 1 * RJ-11 connector for telephone/PBX connection
- Supports 1 * RJ-45 port for 10/100Mbps Ethernet with Auto MDI/MDIX
- Supports PBO(Power back off) function
- Supports long packet size up to 1536 bytes
- Supports POTS/ISDN voice pass
- Supports 4wires phone set pass through
- 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
- Provides Power LED and LED indication Link/Active Status for Ethernet port and Link/Speed for VDSL port
- Plug & Play, mini size and metal case design
- EMI certified by CE, FCC Class B, and VCCI Class B
- Safety compliant EN60950-1
- External Power Adapter: Input: AC 85~240Volts/50~60Hz Output: DC 5-12V/1A

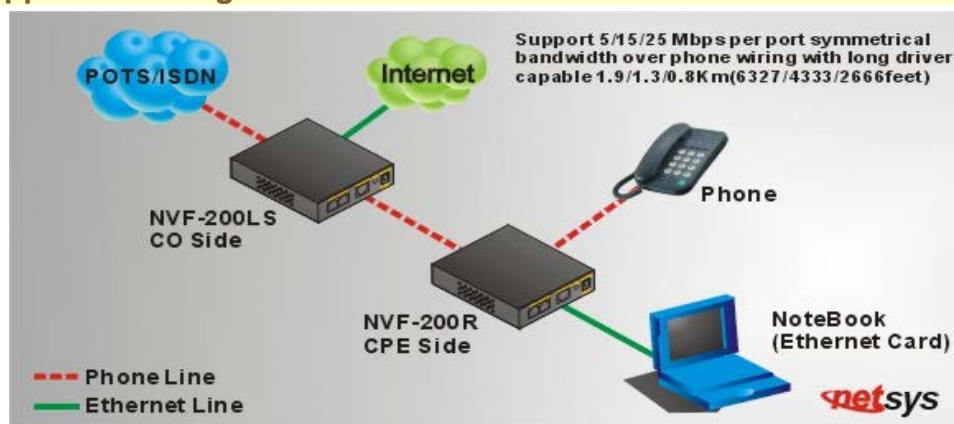
Product Specifications

Standard:	IEEE802.3 standard
	IEEE802.3u standard
	Compliant with ETSI, ITU, ANSI standards
Interface:	1 * RJ-45 10/100Mbps Ethernet port
	1 * RJ-11 connector for EoVDSL
	1 * RJ-11 connector for telephone connection
Cable Connections:	RJ-45 (Ethernet): Category 3, 4, 5 UTP/STP
	RJ-11 (EoVDSL): Twisted-Pair phone wire
LED indicators:	Power
	Link/Active Status for Ethernet port
	Link/Speed for VDSL port
VDSL Frequency Spectrum:	NVF-200R Transmitter: 4MHz ~ 7.9MHz
	Receiver: 900 kHz ~ 3.9MHz
POTS/ISDN pass filter Spectrum:	0 ~ 630kHz
Typical Power Consumption:	2.75W
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:	95 x 110 x 24 mm (3.74" x 4.33" x 0.94")

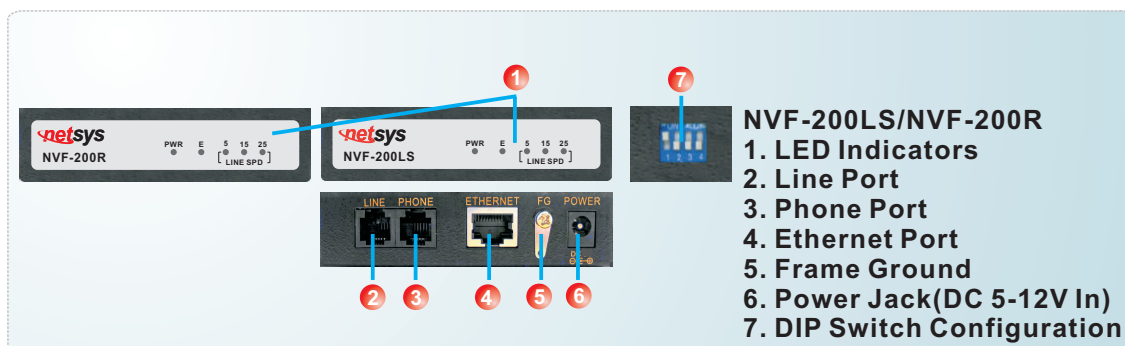
Note:

Specifications in this datasheet are subject to change without prior notice.

Application Diagram



Detailed View



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