

NVF-200Series

4 Band VDSL CO/CPE Bridge with DIP-Switch

General Description

The NVF-200LS/R works as Ethernet to/from VDSL subscriber-site conversion bridge. The NVF-200LS/R uses QAM-based 4-Band VDSL technology that 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) respectively.

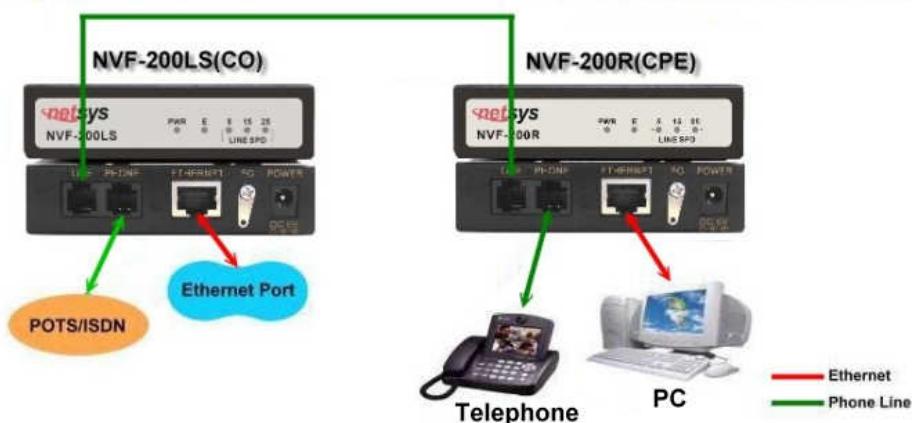
The NVF-200R also works with NVF-800S & NVF-2400S VDSL IP DSLAM, together to form a cost-effective solution for services such as remote lecturing, telemedicine, video conferencing, Video-on-Demand (VoD), IP-TV, Internet access, and various high-speed data applications.

The front-panel provides LED indicators for 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 DSLAMs over a fix-speed and an auto-speed function.

Therefore, NVF-200LS/R 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, telecom and point-to-point applications.

Point to Point Application

Supports 5M, 15M/25Mbps per port symmetrical bandwidth over phone wiring with long driver capable 1.9/1.3/0.8Km(6327/4333/2666 feet).



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Order Information: NVF-200KIT [NVF-200LS (4 Band VDSL CO Bridge with DIP switch) and NVF-200R (4 Band VDSL CPE Bridge)]



9F, NO.208, TATUNG RD, SEC3, HSI CHIH, TAIPEI HSIEN, TAIWAN, R. O. C
TEL: 886-2-8647-3456 FAX: 886-2-8647-1120 sales@netsys.com.tw



NVF-200Series

4 Band VDSL CO/CPE Bridge with DIP-Switch



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), and 25M/25M distance up to 800m(2666ft)
- Supports 1 x RJ-11 connector for Ethernet over VDSL
- Supports 1 x RJ-11 connector for telephone/PBX connection
- Supports 1 x RJ-45 port for 10/100Mbps Ethernet with Auto MDI/MDIX
- Supports 1 x DIP Switch for speed selectable(NVF-200LS only)
- Supports long packet size up to 1536 bytes
- Support POTS/ISDN voice pass and 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, and back pressure for Half Duplex
- Supports PBO(Power Back-Off) function for NVF-200R
- Supports surge protection
- Provides LED indicators for power, Link/Active Status for Ethernet port and Link/Speed for VDSL port
- Plug & Play, mini size and metal case for outdoor application
- 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 5V/1A

Product Specifications

Standard:	IEEE802.3 and IEEE802.3u standard Compliant with ETSI, ITU, ANSI standards
Interface:	1 x RJ-45 10/100Mbps Ethernet port 1 x RJ-11 connector for EoVDSL 1 x RJ-11 connector for telephone connection 1 x DIP Switch(for NVF-200LS only)
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-200LS Transmitter: 900kHz ~ 3.9MHz Receiver: 4MHz & 7.9MHz NVF-200R Transmitter: 4MHz ~ 7.9MHz Receiver: 900kHz ~ 3.9MHz
POTS/ISDN Pass Filter Spectrum:	0 ~ 630kHz
Power Consumption:	NVF-200LS (LT): 2.15W/NVF-200R (NT): 2.75W
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:	95 x 110 x 24 mm (3.74" x 4.33" x 0.94")

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