

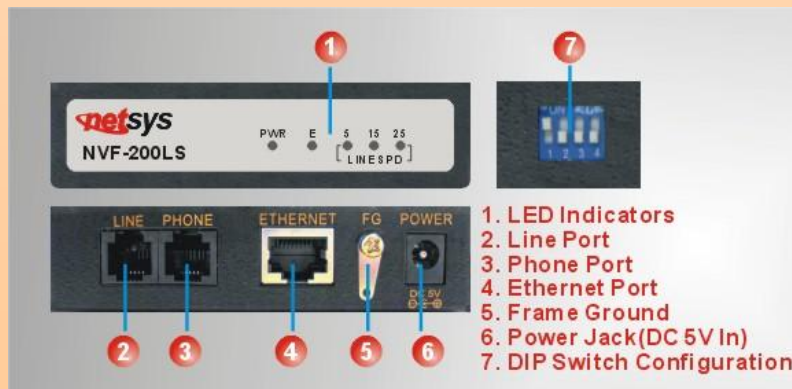
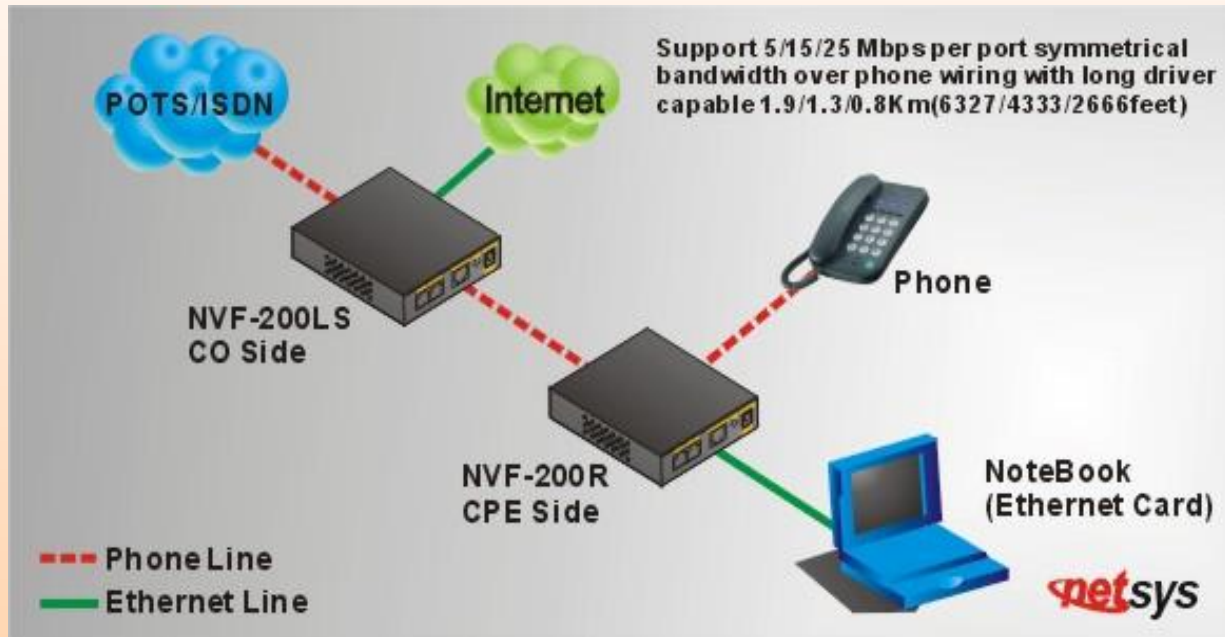
4 Band VDSL Extends LANs via Internal Telephone Cables

Ethernet beyond 100 Metres



General Description

The NVF-200LS/R VDSL Ethernet LAN Extenders use QAM-based 4-Band VDSL technologies, to provide 5M/15M/25Mbps symmetrical bandwidth up to 1.9/1.3/0.8Km over a single copper pair. The built-in POTS/ISDN splitter allows a standard telephone or ISDN device to share the line with the Ethernet. Full or half-duplex mode of LAN operation is automatically sensed and configured. The VDSL data rates are configured automatically or via DIP switches on the NVF-200LS. The NVF-200LS/R supports fix-speed, auto-speed, plug & play operations on the subscriber-site, and are 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.



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Symmertic
5/15/25 Mbps

QAM 4-Band
Technology

EMI certified by
CE / FCC B / VCCI B

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 distance 5M/5M distance up to 1.9km(6333ft), 15M/15M distance up to 1.3km(4333ft), Max speed 25M symmetrical and distances 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 1* DIP Switch for speed selectable(NVF-200LS only)
- 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 for outdoor application
- EMI certified by CE, FCC Class B, and VCCI Class B
- Safety compliant EN60950-1

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 1 * DIP Switch(NVF-200LS only)
Cable Connections:	RJ-45 (Ethernet): Category 3, 4, 5 UTP/STP RJ-11 (EoVDSL): Twisted-Pair phone wire
LED indication:	Power Link/Active Status for Ethernet port Link/Speed for VDSL port
VDSL Frequency Spectrum:	NVF-200LS Transmitter: 900 kHz ~ 3.9MHz Receiver: 4MHz & 7.9MHz
POTS/ISDN pass filter Spectrum:	0 ~ 630kHz
Typical Power Consumption:	2.15W
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")