



Netsys VDSL Extends Ethernet beyond 100 Metres

**QAM 4-Band
Technology**

**Symmertic
5/15/25 Mbps**



**Extend an Ethernet
LAN up to 1.6Km**



**Supports 24 ports
VDSL connector**

**Supports 8 ports
VDSL connector**



**Auto / Fixed
5/15/25 Mbps**

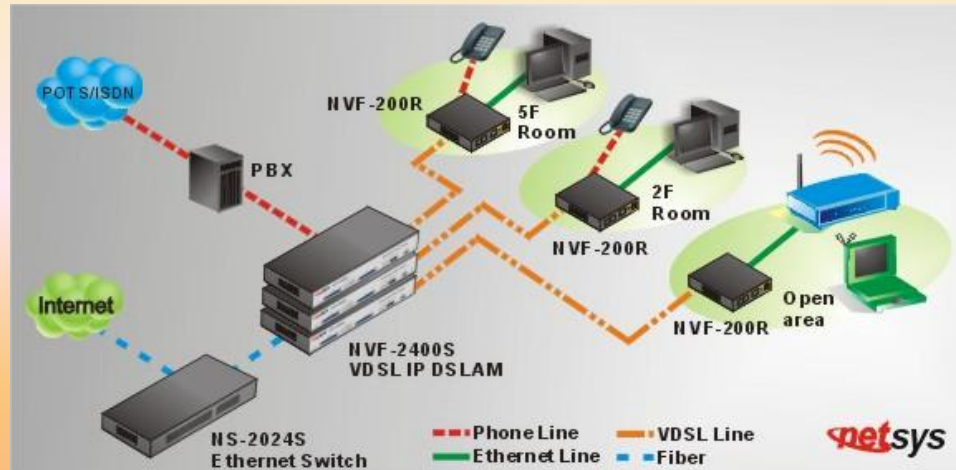


**Combine data and
power over single
pair**



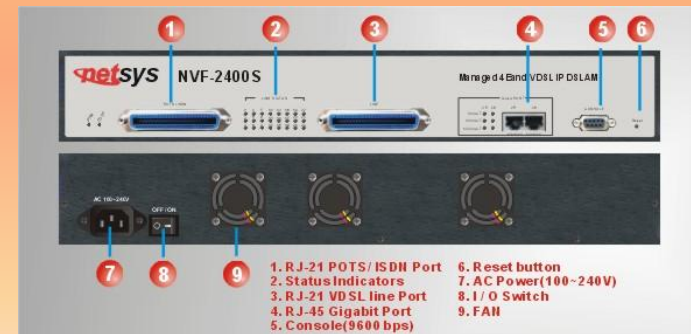
**Supports 4 ports
10/100 Ethernet**

NVF-2400S (4Band VDSL 24 Ports managed IP DSLAM)

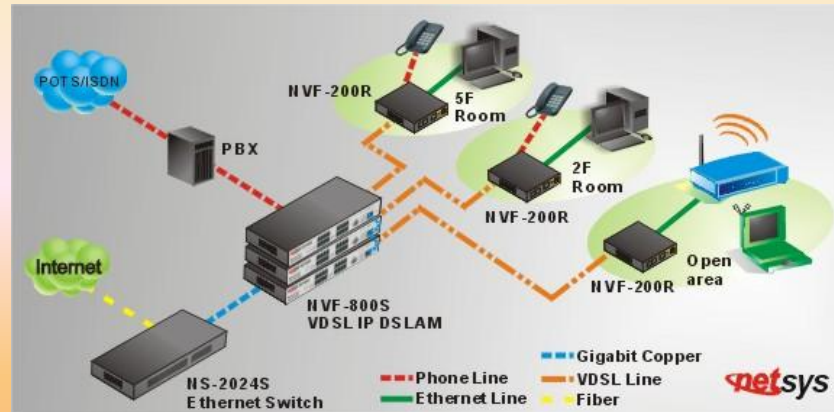


Key Features & Benefits

- 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
- 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
- Supports Interleave delay for Data Error & Noise Against
- Support QOS IEEE-802.1p
- Support IGMP V2 snooping by 256 IP multicast table, 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
- Supports DHCP client
- 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
- 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

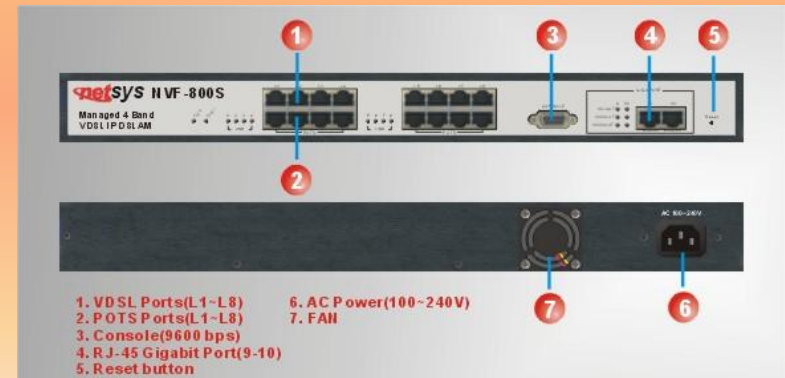


NVF-800S (4Band VDSL 8 Ports managed IP DSLAM)



Key Features & Benefits

- Supports 5M/15M/25Mbps per port symmetrical bandwidth over phone wiring with long driver capable up to 1.7/1.1/0.6Km(5666/3666/1999 feet) with auto speed.
- Supports GARP/GVRP IEEE-802.1p/q VLAN, IEEE 802.1q tagging VLAN, IEEE 802.1v protocol VLAN, port base VLAN.
- Supports quality of phone wiring detected with SNR(Signal to Noise Ratio) indications
- Supports Interleave delay for Data Error & Noise Against
- Supports QOS IEEE-802.1p
- Supports Multicast IP table/IGMP v2 with 1k groups
- Supports LACP IEEE-802.3ad Port Trunking(Link aggregation)
- Supports IEEE 802.1d Spanning trees for MAC bridge with redundant link
- Supports port Mirroring (Sniffer) and Broadcast Storm filtering
- Supports port security with MAC address filtering
- Supports Web Base and Telnet for remote management
- Supports SNMP v1 RFC-1493 Bridge MIBs, RFC-1643 Ethernet MIB, RFC-1213 MIB II, Netsys Enterprise MIB(Fan and Temperature management)
- Supports RMON groups 1(Statistics), 2(Alarm), 3(Event), 9(History)
- Supports TFTP/XMODEM for firmware upgrade
- Supports In-Band/Out-of-Band Management
- Cascading up to 8 Units along with Giga switch
- Spectral compatibility with XDSL, ISDN(2B1Q/4B3T),HomePNA
- EMI certified by CE, FCC

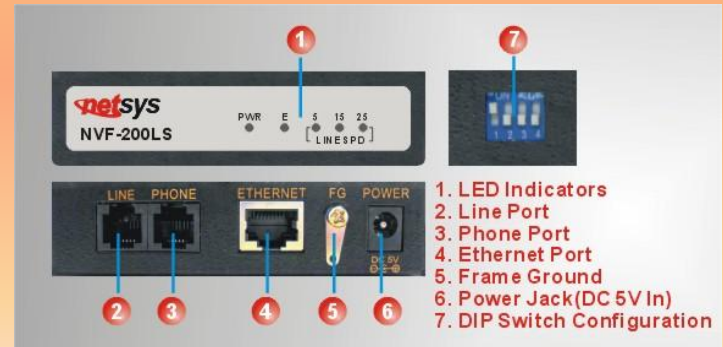
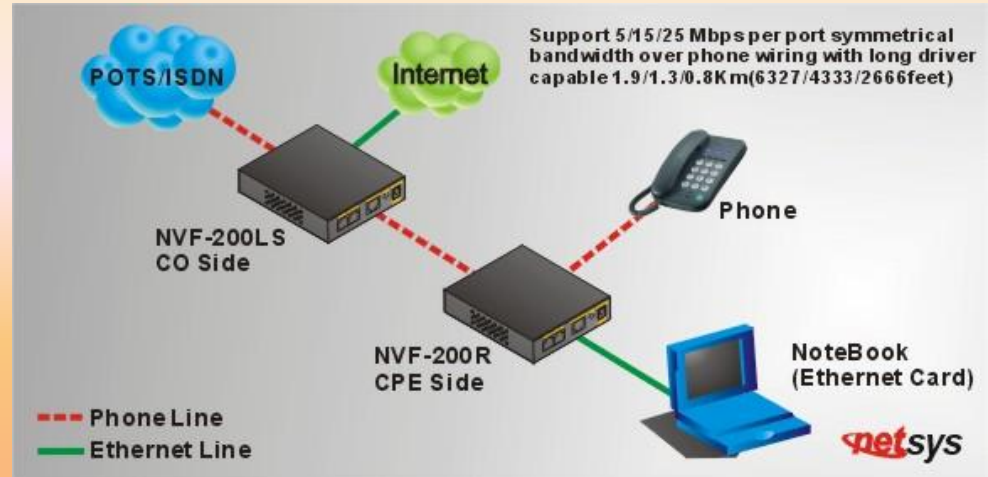




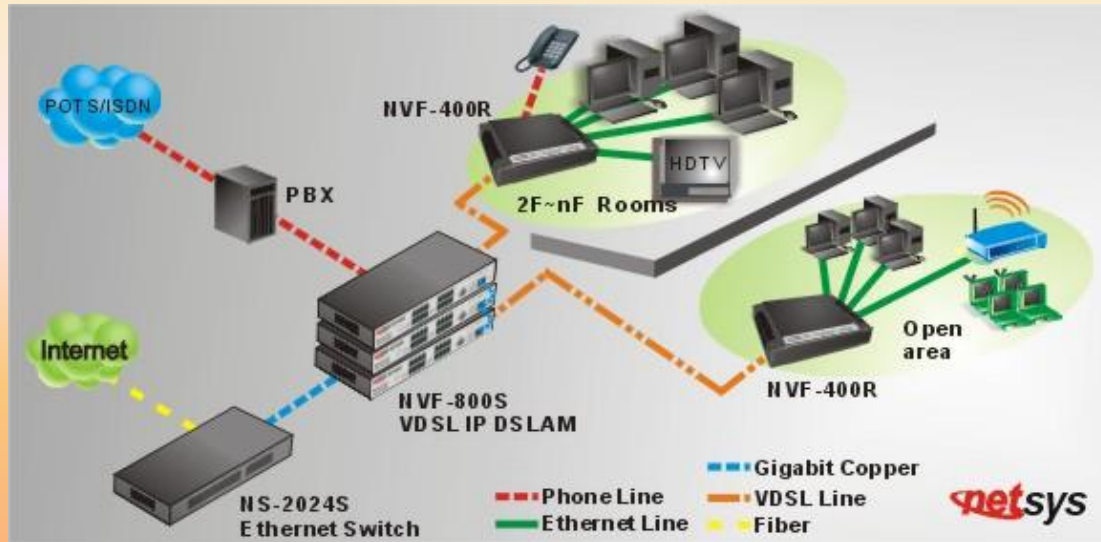
NVF-200LS (4Band VDSL CO Modem with DIP Switch)

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 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

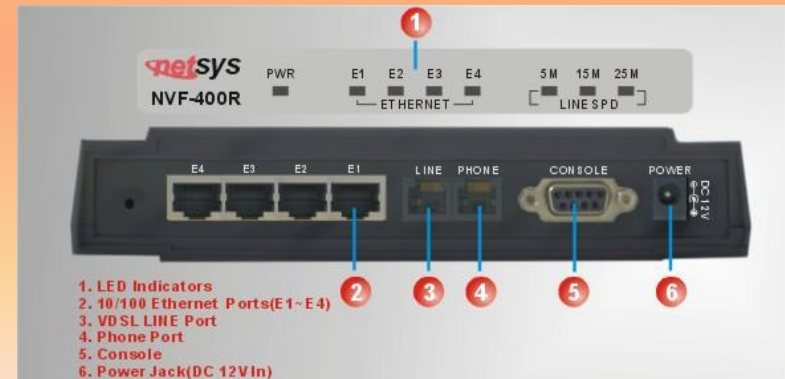


NVF-400R (4 Band VDSL CPE Modem with 4 ports Switch)

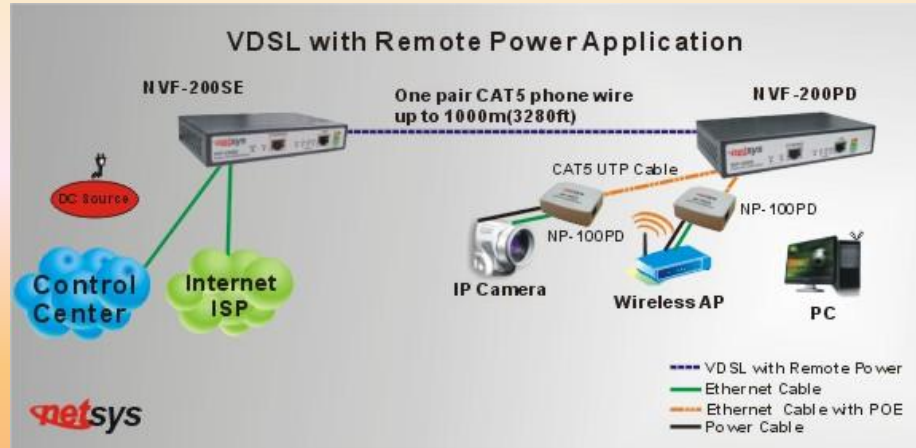


Key Features & Benefits

- Compliant with IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standard
- Compliant with ETSI, ITU, ANSI standards
- Supports high bandwidth up to 25Mbps symmetrical
- Provides Power LED and LED indication Link/Active Status for Ethernet port and 5/15/25Mbps link/speed for VDSL port
- Supports 1 * RJ-11 connector for Ethernet over VDSL
- Supports 1 * RJ-11 connector for telephone/PBX connection
- Supports 4 * RJ-45 port for 10/100Mbps Ethernet with Auto MDI/MDIX
- Supports Auto-speed and full duplex for VDSL port
- Supports long packet size up to 1536 bytes
- Supports POTS/ISDN voice pass and 4 wires 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
- EMI certified by CE, FCC



NVF-200SE / NVF-200PD(Ethernet Extender with Remote Power)



Key Features & Benefits

- Supports 10/100M auto MDI/MDIX Ethernet port
- Supports 5/15/25Mbps fixed/auto speed VDSL ports
- Supports flow control
- Supports long packet up to 1536 byte
- Maximize network uptime and centralize power for all remote devices.
- Support VDSL and Ethernet surge protection
- Connect to standard IEEE 802.3af Ethernet PD; class 0, 1, 2, or 3.
- Remove the 100m-distance limitation of Ethernet – for both PoE power and data.
- Combine data and power over single pair of twisted phone cable.
- Easily add/move/change to any location over existing or newly pulled wires
- Configure speed using the DIP switch.
- Reduce engineering time and eliminate requirements for new power sources for remote Ethernet devices.

