

NVF-400R Ethernet LAN Extender with 4 port Switch

Ethernet beyond 100 Metres



General Description

The NVF-400R utilizes Ethernet to /from VDSL subscriber-site Conversion Bridge. The NVF-400R uses QAM-based 4-band VDSL technology that 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, Internet access and various high-speed data applications.

The front-panel provides LEDs 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 DSLAMs for a fixed speed or an auto-speed function.

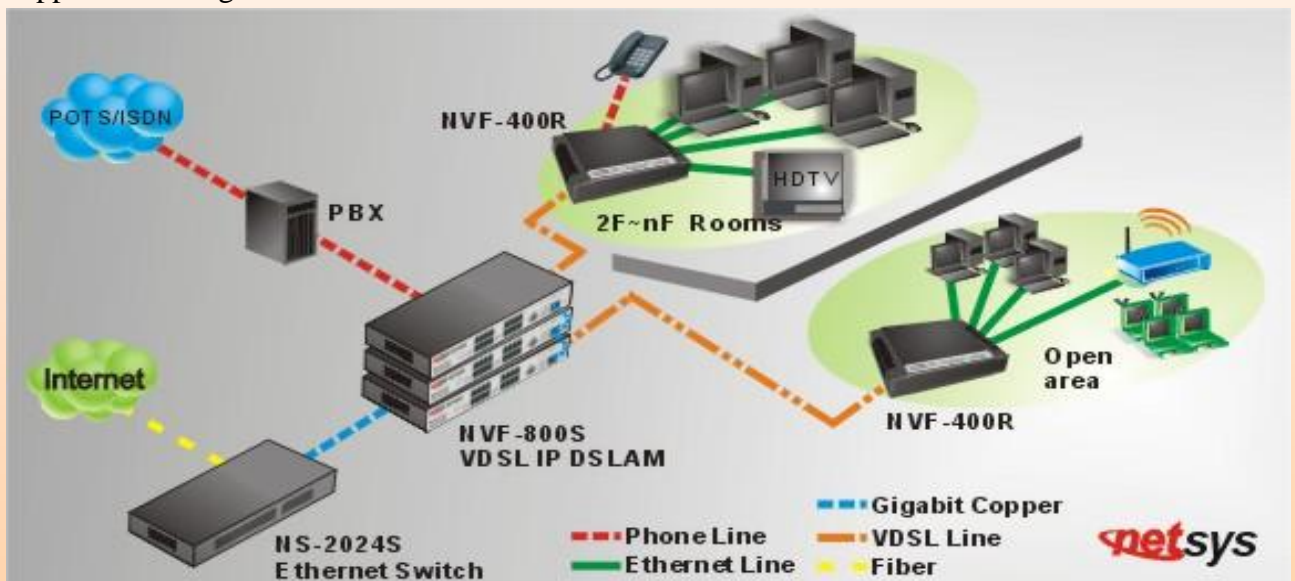
Therefore, NVF-400R supports fix-speed, auto-speed, plug & play operations on the subscriber-site, and are part of an ideal solution for delivering cost-effective, high-performance broadband/multimedia services to Multi-Dwelling Units (MDU) and Multi-Tenant Units (MTU) environments such as hotels, campus,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

Symmertic
5/15/25 Mbps

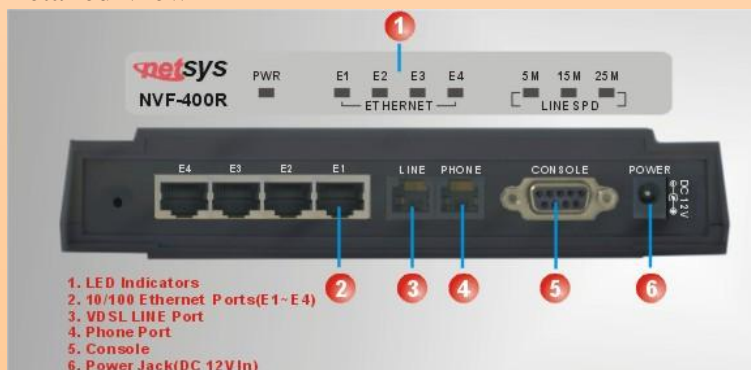
Supports 4 ports
10/100 Ethernet

QAM 4-Band
Technology

Application Diagram



Detailed View



NETSYS is a trademark of National Enhance Technology Corp. NETSYS products are distributed and supported in the UK by Saratota Ltd.

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics.

In the interest of improving internal design, operational function, and/or reliability, NETSYS reserves the right to make changes to the products described in this document without notice. NETSYS does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Copyright ©2009 by National Enhance Technology Corp. All rights reserved.

NVF-400R Features & Specifications

Ethernet beyond 100 Metres

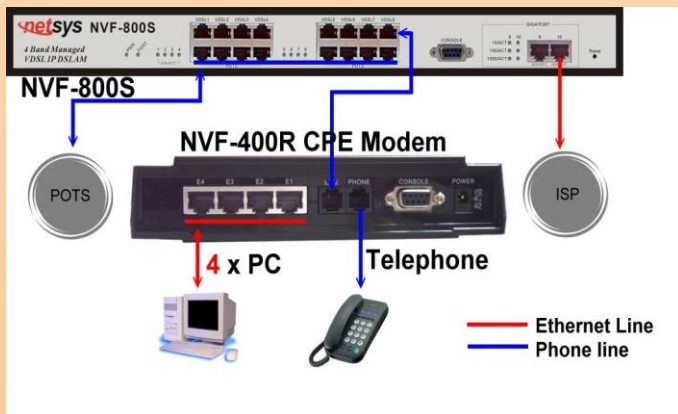


Key Features & Benefits

- 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

Product Specifications

Standard:	IEEE802.3 standard IEEE802.3u standard Compliant with ETSI, ITU, ANSI standards
Interface:	4 * RJ-45 10/100Mbps Ethernet port 1 * RJ-11 connector for EoVDSL 1 * RJ-11 connector for telephone connection 1 * 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 Indication:	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
Typical Power Consumption:	5.04W
Operating Temperature:	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature:	-20°C ~ 65°C (-4°F ~ 149°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



NETSYS is a trademark of National Enhance Technology Corp. NETSYS products are distributed and supported in the UK by Saratota Ltd. The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. In the interest of improving internal design, operational function, and/or reliability, NETSYS reserves the right to make changes to the products described in this document without notice. NETSYS does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein. Copyright ©2009 by National Enhance Technology Corp. All rights reserved.