

General Description



Auto / Fixed
5/15/25 Mbps

Combine data and power over single pair

OVP / OCP / OTP
Protection

NVF-200SE system delivers power and IP connectivity at distances up to 1000m (3,280feet) using existing or new copper UTP wire. Innovative transmission techniques result in power feeding and data over a single pair phone wire and are ideal for deploying extended Ethernet where there are no or limited electricity at one end, this will ensure reliable delivery of essential power and data to and from remote locations. Operators in various enterprises will now be able to deploy PoE devices in any service location, install network security cameras, wireless access point security / VOIP, or access control systems in any place where you have basic wire connectivity.

The NVF-200SE and NVF-200PD provide extended-length power and Ethernet connections over a single pair of UTP copper wire: Cat. 5 or greater. The NVF-200SE/PD uses VDSL technologies, which supports 5M/ 15/ 25Mbps per port symmetrical bandwidth over phone wiring with long driver capable of a maximum 1000m (3,280 feet).

The front-panel provides LED indicators of power system and interface status. Link or Active LAN operation is automatically sensed and configured. NVF-200SE/PD supports auto/fixed speed, plug & play operation. Safety features include OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), robust short-circuit protection and surge protection.

VDSL with Remote Power Application



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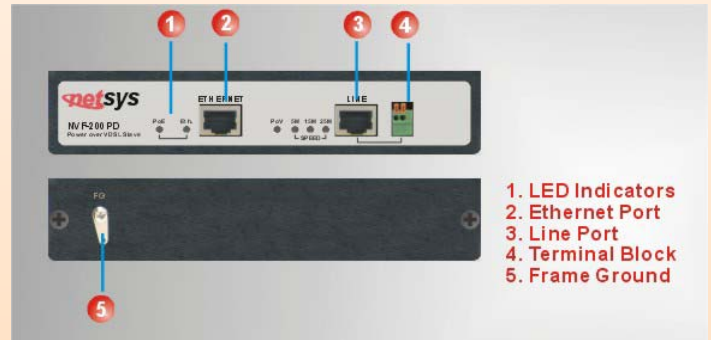
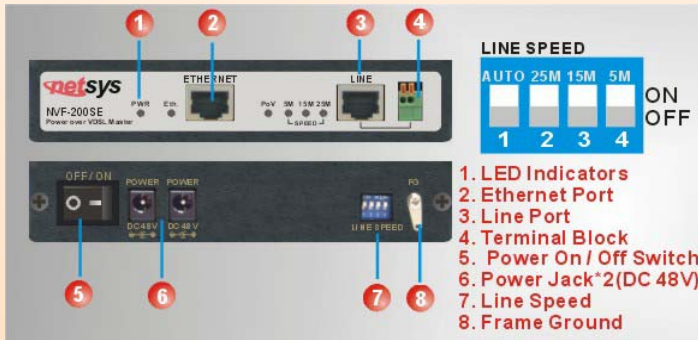
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Key Features & Benefits

- 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
- Connects 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.
- Reduces engineering time by providing power for remote Ethernet devices



Product Specifications

- Interface:
- 1 x RJ-45 for single pair VDSL line port
 - 1 x Terminal block for VDSL line port
 - 1 x DIP switch for line speed setting (NVF-200SE only)
 - 2 x power jack for 48V power adapter (NVF-200SE only)
 - 1 x RJ-45 for fast Ethernet port with power injector (NVF-200PD only)

Power Protection:	OVP (Over Voltage Protection) OCP (Over Current Protection) OTP (Over Temperature Protection) Robust short circuit protection Power/Remote power for system Link/Active for Ethernet port
Standard Compliant:	IEEE802.3; IEEE802.3u; IEEE802.3af; ITU-G993.1
EMC Compliant:	CE, FCC, VCCI
Safety Compliant:	EN60950
Environmental:	RoHS
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:	NVF-200SE: 146mm x 97mm x 33mm NVF-200PD: 169mm x 106mm x 33mm