

# NV-600

## VDSL2 CO/CPE Router

NV-600L/R



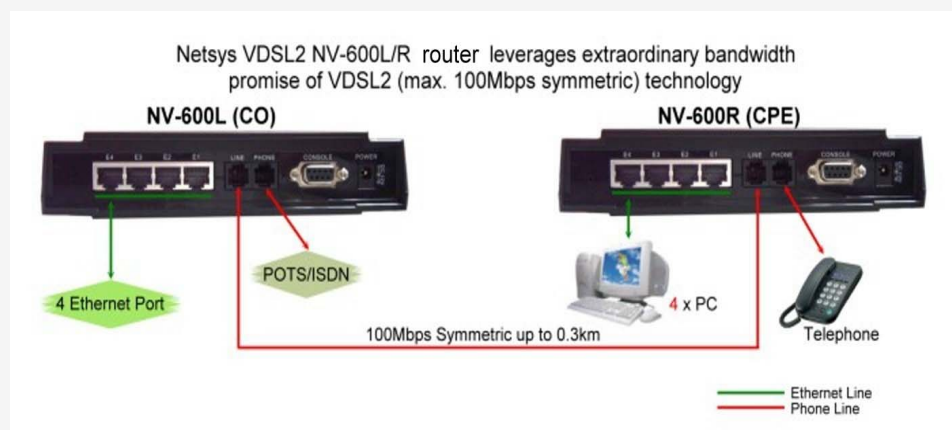
### General Description

Netsys' NV-600 Series is a VDSL2 router that leverages the extraordinary bandwidth promise of VDSL2 (max. 100Mbps Symmetric) technology, the next step in the delivery of new high-speed Internet applications to end-users in their homes or offices. Quick, easy and economical to install and maintain, the NV-600L works with the NV-600R over existing copper wire infrastructure. NV-600L is a CO (Central Office) device while NV-600R is a CPE (Customer Premise Equipment) device.

Netsys' NV-600 Series will allow operators worldwide to compete with cable and satellite operators by offering services such as HDTV, VOD, videoconferencing, high speed Internet access and advanced voice services including VoIP, over a standard copper telephone cable.

Netsys' NV600 Series is seen by many operators as an ideal accompaniment to a FTTP rollout, where for instance fiber is supplied direct to an apartment block and from there copper cable is used to supply residents with high-speed VDSL2.

### Point to Point Application



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**Order Information:** NV-600L (VDSL2 CO Router)  
NV-600R (VDSL2 CPE Router)

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# NV-600

## VDSL2 CO/CPE Router



NV-600L/R

### Key Features & Benefits

- Compliant with G993.2 VDSL2 standards.
- Compliant with IEEE 802.3 & 802.3u Ethernet standards.
- Provides 4 x 10/100M auto-negotiation RJ-45 Ethernet ports.
- Supports bandwidth setup with 100 Mbps VDSL RJ-11 ports.
- Provides POTS / ISDN Splitter on board.
- Supports Downstream Power Back-Off(DPBO).
- Supports auto speed for VDSL2 port.
- Support web management(HTTP), TFTP and Console(RS-232C).
- Support UPnP/PPPoE/NAT/DHCP/DMZ/Firewall.
- Support Router & Switch(Bridge) mode.
- Supports loop back.
- Supports SNR indicator for checking phone wire quality.
- Supports interleave delay for data error and against noise.
- Supports 8a, 8b, 8c, 8d, 12a, 12b, 17a, 17b and 30a band profile.
- Supports 997 and 998 band plan.
- Provides surge protection for VDSL2 port.
- EMI compliant: CE, FCC and VCCI.

### Product Specification

#### Standards:

IEEE802.3 standard  
IEEE802.3u standard

#### Interfaces:

Compliant G993.2 VDSL2 standard  
4 x RJ-45 10/100Mbps Ethernet port  
1 x RJ-11 connector for VDSL2  
1 x RJ-11 connector for POTS/ISDN device

#### Band Profile:

8a, 8b, 8c, 8d, 12a, 12b, 17a, 17b, 30a

#### Band Plan:

997, 998

#### Max. Bandwidth:

Symmetric 100Mbps / 0.3km

#### LED indicators:

1 x Power LED  
4 x Link/Active Status for Ethernet port  
1 x Link LED for VDSL2 port

#### Switch method:

Store and forward

#### Console port:

RS-232C/115200bps

#### Flow control:

Full duplex: IEEE 802.3x

Half duplex: Back pressure

#### Typical Power Consumption:

NV-600L:5.52W / NV-600R:6.12W

#### 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:

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

#### Chipsets:

Lantiq MIPS ADM5120P

Lantiq VINAX

#### Operating Temperature for Power Adaptor:

0 to 40°C (TOUCH) / 0 to 40°C (LITONE)

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