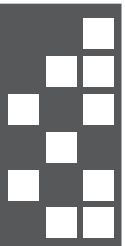


NV-600R

VDSL2 CPE Router



**G993.2 VDSL2
standards**

**Symmetric
100Mbps/0.3 Km**

**Supports 8a, 8b, 8c, 8d,
12a, 12b, 17a, 17b, 30a
band profile**

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.

Key Features & Benefits

- Compliant with IEEE 802.3 & 802.3u Ethernet Standard
- Compliant with G993.2 VDSL2 standard
- Provides 4 x 10/100M auto-negotiation RJ-45 Ethernet port
- Supports Bandwidth up to 100Mbps over RJ-11 ports
- POTS / ISDN Splitter on board
- Supports Downstream Power Back-Off(DPBO)
- Supports auto speed for VDSL2 port
- Supports Web management(HTTP), TFTP, Console(RS232)
- Supports uPnP/PPPoE/NAT/DHCP/DMZ/Firewall
- Supports Route & Switch(Bridge) mode
- Supports Loop back test
- Supports SNR indicator for check phone wiring quality
- Supports Interleave delay for Data Error & Noise Against
- Support 8a, 8b, 8c, 8d, 12a, 12b, 17a, 17b, 30a band profile
- Support 997,998 band plan
- Provides surge protection for VDSL2 port
- EMI Compliant: CE, FCC, VCCI

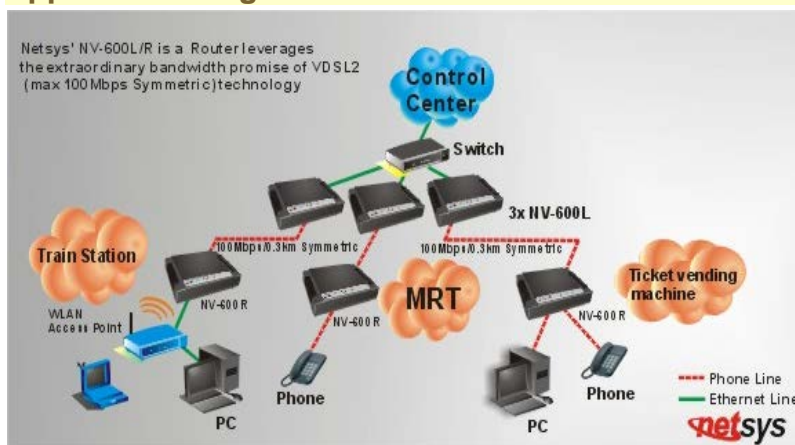
Product Specifications

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|
| Standard: | IEEE802.3 standard IEEE802.3u standard Compliant G993.2 VDSL2 standard |
| Interface: | 4 * RJ-45 10/100Mbps Ethernet port 1 * RJ-11 connector for VDSL2 1 * 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 100 Mbps / 0.3 Km |
| LED indication: | Power LED Link/Active Status for Ethernet port * 4 Link LED for VDSL 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: | 6.12W |
| 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") |
| Chipsets: | Lantiq MIPS ADM5120P Lantiq VINAX |

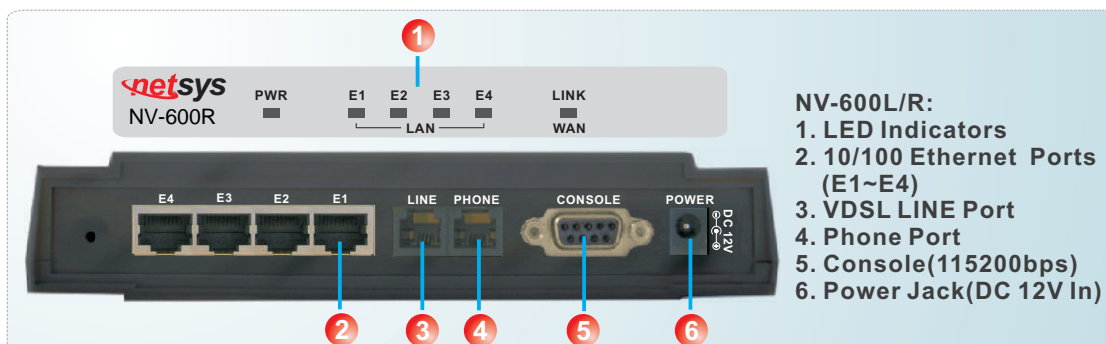
Note:

Specifications in this datasheet are subject to change without prior notice.

Application Diagram



Detailed View



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