

# NV-600LS/RS

## VDSL2 CO/CPE Router with SNMP



### General Description

Netsys' NV-600LS/RS 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-600LS works with the NV-600RS over existing copper wire infrastructure. NV-600LS is a CO(Central Office) device while NV-600RS is a CPE (Customer Premise Equipment) device.

Netsys' NV-600LS/RS 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' NV600LS/RS 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.

**G993.2 VDSL2 Standards**

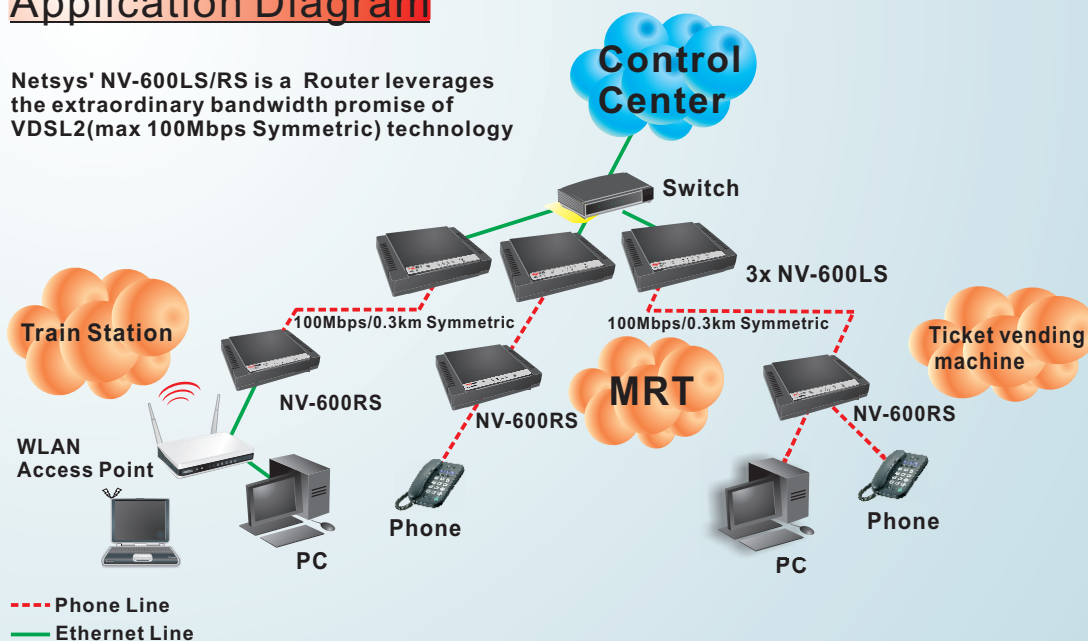
**SNMP v1/v2/v3**

**Symmetric 100Mbps/0.3km**

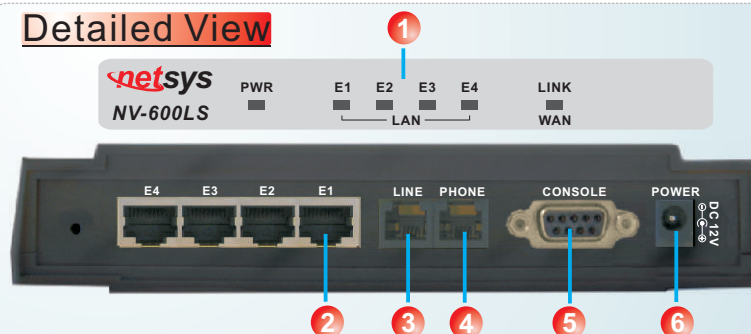
**8 band profiles 17a,30a**

### Application Diagram

Netsys' NV-600LS/RS is a Router leverages the extraordinary bandwidth promise of VDSL2(max 100Mbps Symmetric) technology



### Detailed View



- NV-600LS/RS:**
1. LED Indicators
  2. 10/100 Ethernet Ports (E1~E4)
  3. VDSL2 LINE Port
  4. Phone Port
  5. Console(115200bps)
  6. Power Jack(DC 12V In)

**Order information:** NV-600LS (VDSL2 CO Router) / NV-600RS(VDSL2 CPE Router)

For more product information, visit us on the web [www.netsys.com.tw](http://www.netsys.com.tw)

### DATA SHEET

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### Key Features & Benefits

- Compliant with G993.2 VDSL2 standard.
- Compliant with IEEE 802.3 & 802.3u Ethernet standard.
- Provides 4 x 10/100M auto-negotiation RJ-45 Ethernet port.
- Supports Bandwidth up to 100Mbps over 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 test.
- 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.
- Supports SNMP v1/v2/v3
- Provides surge protection for VDSL2 port.
- EMI compliant: CE and FCC

### Product Specification

Standard:	IEEE802.3/802.3u standard Compliant G993.2 VDSL2 standard
Interface:	4 x RJ-45 10/100Mbps Ethernet port 1 x RJ-11 connector for VDSL2 1 x RJ-11 connector for POTS/ISDN device 1 x console port(RS232C/115200bps)
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
Flow control:	Full-duplex: IEEE 802.3x Half-duplex: Back pressure
Typical Power Consumption:	NV-600LS:5.52W / NV-600RS: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:	184mm x 146mm x 40mm (7.2" x 5.74" x 1.57")
External Power Adapter:	Input: AC 85~240 volts / 50~60Hz Output: DC 12V / 1A
Chipset:	Lantiq MIPS ADM5120P Lantiq VINAX

**Order information:** NV-600LS (VDSL2 CO Router) / NV-600RS(VDSL2 CPE Router)

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