NV-600A

Managed VDSL2 CPE Router

General Description

Netsys' NV-600A is a managed 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 in commercial environments. Quick, easy, economical to install and maintain, the NV-600A works over existing copper wire infrastructure. NV-600A is a CPE (Customer Premise Equipment) device.

Netsys NV-600A 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 NV600A is seen by many operators as an ideal accompaniment to a FTTP rollout, where for instance fiber optic is supplied direct to an apartment block and from there copper cable is used to supply residents with high-speed VDSL2.

Compatible Product

NV-802S

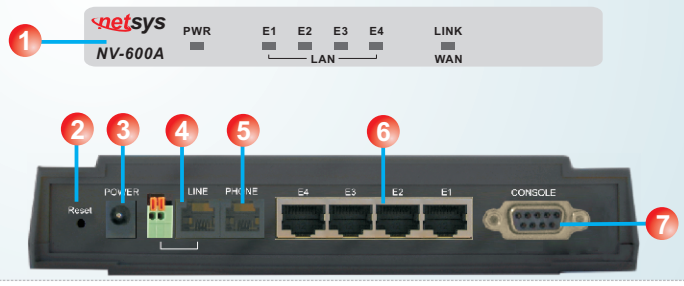
G993.2 VDSL2 Standards

Symmetric 100Mbps/0.3km

8 band profiles 17a,30a

Application Diagram

Detailed View



NV-600A:
1. LED Indicators
2. Reset Button
3. Power Jack(DC 12V)
4. RJ-11/Terminal Block combo for line port
5. Phone port
6. 10/100/1000 Ethernet Ports (E1~E4)
7. CONSOLE(115200)

NV-600A(Managed VDSL2 CPE Router)

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netsys
Networking your world

NV-600A

Managed VDSL2 CPE Router

Key Features & Benefits

- Support ATM and PTM transmission mode auto detection (ADSL backward compatible)
- Supports high bandwidth up to 100Mbps symmetric over line ports
- Support 8a, 8b, 8c, 8d, 12a, 12b, 17a, 17b, and 30a band profile and
- Support 997, 998 band plan
- Support ATM-TC,ATM and AAL5 (ATM Flow Throughput / OAM Cell Filter and Forwarding / AAL5 SAR:PVC / ATM Traffic Class / ATM PVC Shaping / ATM PVC Scheduling)
- Supports ATM Total Upstream Priority Queues
- Support uPnP/PPPoE/PPPoATM/IPv4/IPv6/NAT/NAPT
- Support static routing for IPv4 and IPv6 forwarding
- Support Firewall functions contains Packet filtering, DMZ, Mac Address ased filtering, Parental Control, Application based filtering
- Support DHCP Server/DHCP Relay/DHCP Client/DHCPv6 Client/DHCPv6 Server/DNS/DNS Proxy or Relay/DNSv6 Proxy or Relay/NTP Client/ HTTP1.1 server
- Support Multicast IP table/IGMP v3 Proxy and Snooping
- Support Router & Switch(Bridged) mode
- Support IEEE 802.1p VLAN Priority and mapping to DSCP
- Supports HTTP/HTTPS(SSL) web management
- Support remote management and monitor
- Support configuration backup and restore
- Provides surge protection for Line port
- Supports jumbo frame up to 10k bytes
- Supports IEEE 802.1w RSTP

Product Specification

Standard:	IEEE802.3/802.3u/802.3z standards ITU-T G992.1/G992.3/G992.5/G993.1/G997.1/G993.2 standards
Physical Interface:	4 x RJ-45 10/100/1000 Mbps Ethernet port 1 x RJ-11/Terminal Block connector for VDSL2 line port 1 x RJ-11 connector for POTS/ISDN device 1 x console port(RS232C/115200bps)
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
Power Input:	Input Voltage: 12 VDC
EMC:	EMI Compliant: FCC Class B EMS Compliant: CE mark Class B
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" x5.74 " x1.57 ")

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