



NV-600L & NV-600R

# 100 Mbps LAN Extender

## VDSL2 Point to Point Solution

Netsys's NV-600 Ethernet Extenders leverages the extraordinary bandwidth promise of VDSL2 providing **100Mbps Symmetrical bandwidth** over 1-Pair of copper wires to distances of 335M (1,100ft). NV600's can be used as simple high speed point to point bridges on **existing phone wiring** and analogue phones can be plugged into units for continued use.

The units can also be used in a router mode enabling a wide range of standard facilities including firewall, DHCP, PPOE making the **4-Ethernet ports** ideal for small remote office applications.

Other applications include location of wireless access points using telephone or 1 pair copper cable which **extends distance above the 100m Ethernet Limit** and also reduces costs, as a result of not running Cat5 to access point location.

Connection of remote buildings, floors within existing buildings where Cat5 is not available.

**Use where wireless is not possible**

### Benefits & Features

- ◆Extends Cat5e/LAN to 335M at 100Mbps over 1 copper pair
- ◆When wireless is not possible or is considered unsafe
- ◆100Mbps Symmetrical Bridge or Router operation
- ◆Low cost alternative to running Fibre
- ◆Provides surge protection on VDSL2 port
- ◆Locate Wireless Access Points no Cat5 runs
- ◆Compliant with IEEE 802.3 & 802.3u Ethernet Standards
- ◆Compliant with ETSI, ITU, ANSI VDSL standards
- ◆Provides 4 x 10/100M auto-sensing RJ-45 Ethernet ports
- ◆100 Mbps (200 Mbps -aggregate bandwidth)
- ◆POTS / ISDN Splitter port RJ-11 x 1 (Splitter on board)
- ◆6 Front panel status Indications ( LED's )
- ◆Auto speed for VDSL2 port (No configuration required)
- ◆Web based (HTTP) management
- ◆Supports TFTP, PPOE, uPnP,
- ◆Firewall- NAT/DHCP/DMZ
- ◆Diagnostic Loop back, SNR and Speed Indicators
- ◆Multiple Band plan selection including BT (ANFP)

**100Mbps Symmetrical 335m (1100ft) Asymmetrical 21Mbps down and 1.5 Mbps up 1,500m (4,900ft)**

VDSL2's High speed allows high definition TV (HDTV), video-on-demand, video-conferencing, high speed Internet access and advanced voice services including VoIP, over 1-pair copper or telephone cable, making it an ideal technology for delivering services in hotels, show grounds, campus, airports, listed buildings and remote offices.

VDSL2 is also seen by many Telco's as an ideal accompaniment to a fibre to the premises (FTTP) rollout, where for instance fibre can be supplied direct to an apartment block and from there copper cable is used to supply residents with high-speed services.



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## 100 Mbps VDSL2 LAN Extender Specifications

Model Name	NV-600L (CO Side)	NV-600R (CPE side)
Chipset	Infineon	Infineon
Ethernet Standards	802.3 & 802.3u	802.3 & 802.3u
VDSL2 Standards	ETSI, ITU, ANSI	ETSI, ITU, ANSI
VDSL2 Modulation Method	DMT Base	DMT Base
Ethernet port with auto MDI/MDIX	4 x 10/100BaseTX for LAN	4 x 10/100BaseTX for LAN
POTS/ISDN Splitter Port ( <b>Phone</b> )	1 x RJ-11 ( <i>analogue phone connection</i> )	1 x RJ-11 ( <i>analogue phone connection</i> )
VDSL2 port with surge protection	1 x RJ-11	1 x RJ-11
Console port(RS-232)	YES	YES
Max. Bandwidth	100Mbps/ 100Mbps	100Mbps/ 100Mbps
Bandwidth control	YES	YES
Web management(HTTP)	YES	YES
NAT & DHCP & DMZ	YES	YES
PPPOE	YES	YES
UPnP	YES	YES
TFTP	YES	YES
Firewall	YES	YES
Loop Back Testing	YES	YES
SNR Indicator	YES	YES
VDSL LED Indication	Link	Link
Ethernet LED Indication	Link/Act	Link/Act
VDSL frequency spectrum	Depend on Band Profile	Depend on Band Profile
Power Consumption	7.5W	7.5W
External switching power Adapter	Input : AC 100-240VAC/50-60Hz  Output : DC 12VDC/ 1A	Input : <b>AC 100-240VAC/50-60Hz</b>  Output : DC 12V / 1A
Dimension	184mm x 146mm x 40mm	184mm x 146mm x 40mm
Weight	386g (net)	<b>386g (net)</b>
Operating Temperature	0°C ~ 50°C(32F~122F)	0°C ~ 50°C(32F~122F)
Storage Temperature	-20°C ~ 65°C(-4F~149F)	-20°C ~ 65°C(-4F~149F)
Humidity	10%~90% non condensing	10%~90% non condensing
EMI & Conformance	FCC, CE, VCCI, RoHS	FCC, CE, VCCI, RoHS

Version 3.1



### Order Information

NV-600L VDSL2 CO Modem with Router

NV-600R VDSL2 CPE Modem with Router

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