

NV-802S

8 Ports VDSL2 Managed IP DSLAM with 2 Giga Ethernet



General Description

The NV-802S is a VDSL2 IP DSLAM that aggregates 8 ports into Giga Ethernet uplinks for high-speed data/Internet services. Based on DMT VDSL2 technologies, NV-802S extends data service with line rate of solution for services such as remote lecturing, telmedicine, video conferencing, Video-on-Demand (VoD), IP-TV, Internet access and other various high-speed data applications.

When the number of subscribers increases, the second uplink Giga Ethernet interface can be used to daisy chain to another

NV-802S. Alternatively, multiple NV-802S can be connected to another LAN switch to form a two-tier configuration, thus supporting a lot more subscribers. The NV-802S is an ideal solution for delivering cost-effective, high-performance broadband/multimedia services to Multi-Tenant Units (MTUs) or Multi-Dwelling Units (MDUs) such as hotels, campus, hospitals and telecom.

Compatible Product



NV-600R

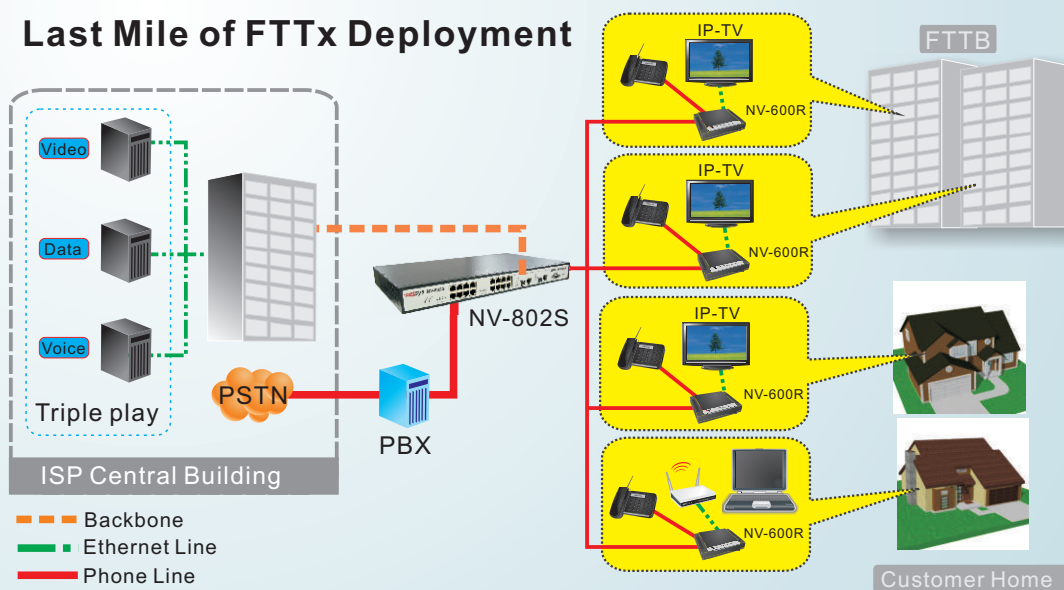
Trellis Coding
SELT, DELT
UPBO, DPBO

Symmetric
100Mbps/0.3km

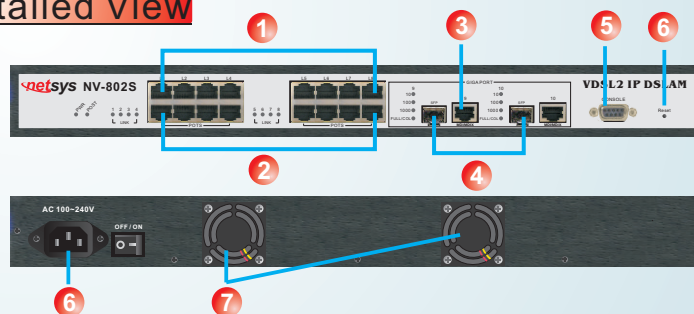
8 band profiles
17a, 30a

Application Diagram

Last Mile of FTTx Deployment



Detailed View



NV-802S:

1. VDSL2 Ports(L1~L8)
2. POTS Ports(L1~L8)
3. RJ-45 Gigabit Port(9-10)
4. SFP(Small Fiber Optic)
5. Console(115200 bps)
6. Reset button
7. AC Power(100~240V)
8. FAN

Order information: NV-802S(8 Ports VDSL2 Managed IP DSLAM with 2 Giga Ethernet)

For more product information, visit us on the web www.netsys.com.tw

DATA SHEET

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Key Features & Benefits

- Support 8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a full band profiles.
- Support 997 and 998 band plans.
- Supports Jumbo packet up to 9k byte.
- Supports interleave delay for noise resistant and data loss.
- Support trellis coding and INP(Impulse Noise Protection).
- Support Echo cancellation and Virtual Noise.
- Support SELT(Single-Ended Loop Testing) and DELT(Double-Ended Loop Testing).
- Support UPBO(Upstream PBO) and DPBO(Downstream PBO).
- Supports high bandwidth up to 100Mbps within 0.3km (984 feet) for VDSL2 ports.
- Supports bandwidth management(rate control) from 128k to 100Mbps.
- Supports IEEE 802.1q tagging VLAN with Q-in-Q.
- Supports quality of phone wiring detected with SNR(Signal to Noise Ratio) indicators.
- Supports TOS to IEEE-802.1p with 4 priority queues with DSCP.
- Supports HTTPS (SSL) web management.
- Supports Multicast IP table/IGMP v2 with 512 groups.
- Support IEEE 802.1d STP / IEEE 802.1w RSTP & IEEE-802.1s MSTP.
- Support port mirroring (sniffer) and broadcast storm filtering.
- Supports port security with MAC address filtering.
- Supports remote syslog.
- Supports traffic storm control.
- Support web based and telnet for remote management.
- Support SNMP v1/v2/v3 RFC-1493 bridge MIBs, RFC-1643 Ethernet MIB, RFC-1213 MIBII.
- Support RMON groups 1(Statistics), 2(Alarm), 3(Event), 9(History).
- Support HTTP/TFTP for firmware upgrade.
- Support In-Band/Out-of-Band management.
- Support L2/L3/4 access control list(ACL).
- Support DHCP client and Relay & Option 82.
- Supports LLDP (Link Layer Discovery Protocol) protocol.
- Supports surge protection and splitter on board.
- EMI certified by FCC,CE class A.

Product Specification

Standard:	IEEE802.3/802.3u/802.3ab/802.3z standards ITU-T G993.2, G993.1,G994.1, G997.1 standards
Interface:	2 * RJ-45 Gigabit TP / SFP combo port 8 * RJ-45 connector for VDSL2 connection 8 * RJ-45 connector for POTS/ISDN connection 1 * console port
Flow control:	Full-duplex: IEEE 802.3x Half-duplex: Back pressure
MAC address table:	8K Entries
LED Indicators:	Power and POST LED Link/Active/Speed/Duplex/Collision Status for Ethernet ports LED, Show time lock LED for VDSL2 ports
VDSL2 Spectrum:	138kHz ~ 30MHz
POTS/ISDN pass filter Spectrum:	0 ~ 120kHz
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:	435mm x 255mm x 44mm (17.13" x 10.04" x 1.73")
Chipset:	Lantiq(Infineon)

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