

NV-450 M/S

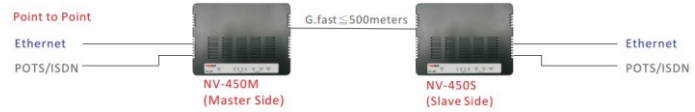
G.fast Master modem + G.fast /VDSL2/V35b Slave Modem

NV-450M/S is a managed G.fast point to point solution with four Gigabit LAN ports. It is compliant to ITU-T G.9700/9701 Standards and supports G.fast 106/212 dual wave profile, bandwidth is up to 1Gbps of symmetric data transmission and it is perfectly suitable for FTTpd/FTTN applications. NV-450M/S is a cost effective solution that delivers high-speed Internet access to end-users over existing copper wire infrastructure, not only NV-450M/S support future-proof super Vectoring (G.fast) compatibility, NV-450S itself also support Vectoring(VDSL2) and super Vectoring(VDSL35b)

G-fast 212a symmetric

Distance (meters)	Down Stream [Mbps]	Up Stream [Mbps]
1.8	805.6	683.3
100	608.5	518.9
200	355.6	308.2
300	254.5	214.4
400	141.9	128.1
500	100.5	74.2
600	77.6	61.1

Application



Features

- Supports Vectoring(17a/30a profile)
- Supports super Vectoring(35b/106/212 profile)
- G.fast profile 106/212 supports up to 1000Mbps symmetric
- Supports 17a/35b/106/212 band profile
  (NV-450M only supports 106/212 band profile)
- Supports SNMP v1/v2c/v3
- Splitter on board
- RJ-11/Terminal block combo for line port
- Surge protection for Line port
- Supports Dual Firmware Image Backup
- Supports 2x USB 3.0
- Supports single Master side (NV-450M)
- Supports SSL(HTTPS) & TR-069 Security
- Supports IPV4 & IPV6 forwarding

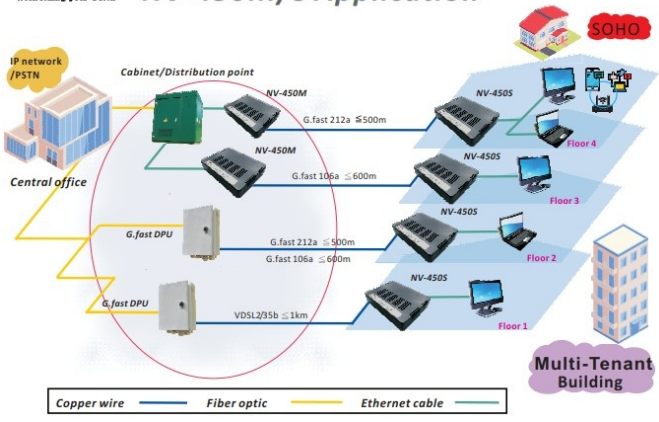
G-fast 106a symmetric

Distance (meters)	Down Stream [Mbps]	Up Stream [Mbps]
1.8	513.1	443.9
100	474.1	409.2
200	373.3	318.6
300	269.2	238.4
400	159.3	134.7
500	118.1	79.7
600	86.5	50.5

Specifications

Ethernet Standard & Interface	IEEE 802.3 10Base-T, 802.3u 100Base-TX, and 802.3ab 1000Base-TX 4x RJ-45 10/100/1000Mbps MTU: 1680 bytes (Jumbo frame) 1x RJ-11 for POTS/ISDN 1xRJ-11 /Terminal block Reset Button (Factory Reset)
Line Standard & Interface	Complies with ITU-T G.9700/9701, G.993.2, G.993.5 RJ11/Terminal block combo for line port
USB Interface	2xUSB 3.0 Connector
Indicators LED	LAN: Act/Link, Power; Line: Act/Link
Routing (NV-450S only)	IP Multicast, IGMP Proxy, Snooping Static Routing IPv4, IPv6 forwarding DHCP Server/Relay/Client IPv4/IPv6 DNS Proxy and Relay, NTP Client
Firewall	IPv6 Firewall Packet, URL filtering Parental Control, DMZ Host
Power	DC 12V / 2A/ DC Terminal Block
Temperature	0~50° C (Operating), -20 ~70° C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant

NV-450M/S Application



*Netsys reserves the right to change specifications without prior notice

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Ultra high speed broadband communication

ITU-T G9700 /9701 Standard
Up to 1Gbps
106/212 Dual band profile
Single Master
RJ-11/ Terminal Block combo
Super Vectoring

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G.fast Master modem + G.fast /VDSL2/V35b Slave Modem

- *Broadband Communication*
- *LAN Extenders*
- *G.fast Dual band*
- *Media Converters*

Extend beyond the 100m Ethernet distance limit

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