



NHG-300

2 Giga LAN over 1.7Gbps G.now phone wire modem

The NHG-300 is a Utilizing TDD (Time Division Duplexing) architecture and an expanded 200 MHz OFDM spectrum, the NHG-300 G.now modem leverages G.hn technology to revolutionize wireline broadband access as a superior upgrade to VDSL2. Delivering unmatched speeds of up to 1.7 Gbps over existing copper wiring, far surpassing the 100 Mbps limit of legacy VDSL systems, G.now is positioned to lead the 'last mile' of broadband services.

As a more cost-effective and agile alternative to FTTH, G.now allows telcos to provide high-performance access at competitive prices while maximizing their existing copper infrastructure. As a pioneer of the world's first G.now solution, Netsys reinforces its commitment to the evolution of broadband, supporting future-proof, bandwidth-intensive applications such as UHD 4K Streaming.

Features

- Supports dual Giga LAN over phone wire
- Support MTU up to 2k bytes.
- Advanced FEC (Forward Error Correction) mechanism
- Automatic retransmission to ensure zero packet loss
- Advanced NDIM technology for interference mitigation in MDUs with high density of users
- Built-in LED indicators for link quality verification.
- Leverages SISO to achieve high-speed throughput of up to 1.7 Gbps
- Automatic mitigation of Near-End Crosstalk (NEXT) between copper wires in a bundle.
- Supports line port distances of up to 500 meters over single pair phone wire.
- Supports IGMP (IPv4) and MLD (IPv6) Snooping for optimized IPTV and video traffic management.
- Built in splitter for the phone port to allow simultaneous voice and high-speed data.
- Built-in surge protector for the line port to ensure long-term reliable.

Specifications

Physical Interface	2 x RJ-45 connector 1 x RJ-11 connector for G.now line port 1 x RJ-11 connector for splitter port
Power input	12VDC
G.hn Modulation Working frequency	OFDM 5Mhz~200Mhz
Max. Data Rate	1.7 Gbps
Max. distance	500m (1640ft)
Dimensions	130 x 94.5 x 27 mm (5.12" x 3.72" x 1.06")

Standards	IEEE802.3 / u /ab ITU-T G.9960 / 9961 ITU-T G.9962 / 9964
Indicators	LAN: Act/Link, Power G.now Quality: High/Middle/Low, Security
Power Consumption	4 watts
Certification	CE, FCC, RoHS Compliant
Temperature	0 ~50°C(Operating), -20 ~70°C(Storage)
Humidity	10 - 90% non-condensing

