NV-202

VDSL2 LAN extender

INDUSTRIAL COMMS

The NV-202 is low cost LAN extension solution using the G.993.2 VDSL2 standard technology and providing up to 100Mbps symmetric using only a single copper wire pair. Designed specifically or a LAN to LAN extension and supporting both symmetrical and asymmetrical transmission at up to 100/100Mbps within 300 meters and 5/1Mbps at 3000 meters, this is a perfect solution to extend LAN to buildings, hotels, hospitals or any location outside of the 100 meters reach of Ethernet UTP.
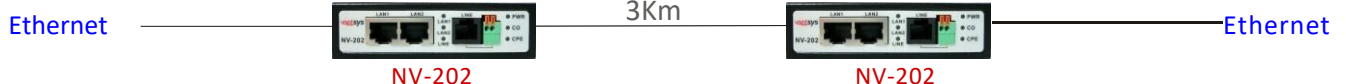
Features

- Cost effective bridge function to connect two Ethernet LANs
- 100/100Mbps @ 300m (984ft)
- 5/1 Mbps @ 3km (9842ft)
- Compact size and DIN rail support

- Selectable CO and CPE mode via DIP switch
- Selectable fast and interleaved mode
- Selectable target band plan
- Selectable target SNR margin 9dB or 6dB

Specifications

LAN Interface	Complies with IEEE 802.3 10Base-T and 802.3u 100Base-TX Connector: 2 x RJ-45 10/100Mbps MTU: 1536 bytes
VDSL2 Interface	Complies with ITU-T G993.2 Connector: RJ-11/Terminal block DMT Encoding/PTM Transmission On-board surge protection
4-position DIP Switch	Selectable CO or CPE mode Selectable Band plan Selectable target SNR Margin Selectable INP and interleave mode
MTBF	50,000 hrs

Indicators	LAN:Act/Link, Power VDSL2:Act/Link, Line Mode: CO/CPE
Power	DC 12V via AC switching adapter
Power Consumption	5W
Dimensions	95 x 110 x 27 mm (3.74" x 4.33" x 1.06")
Weight	About 0.34Kg
Temperature	0~50 $^{\circ}$C (Operating), -20~70 $^{\circ}$C (Storage)
Humidity	10 - 90% non-condensing
Certification	CE, FCC, RoHS Compliant

Application

Ethernet ——— NV-202 ——3Km——— NV-202 ——— Ethernet

Proper Installation