

N50 Series

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SHDSL

Ethernet Extender



NexComm Systems' N50 series, cost-effective simple SHDSL Ethernet Extender, provides a remarkably flexible and easy-to-use solution enabling service providers and enterprises to extend the Ethernet connectivity over existing copper infrastructures. Designed with standard-based Ethernet in the First Mile(EFM) and Ethernet over Copper(EoC) technologies, N50 products can support symmetrical data transmission at rates up to 30Mbps using two(2) pair of copper wires.

Application

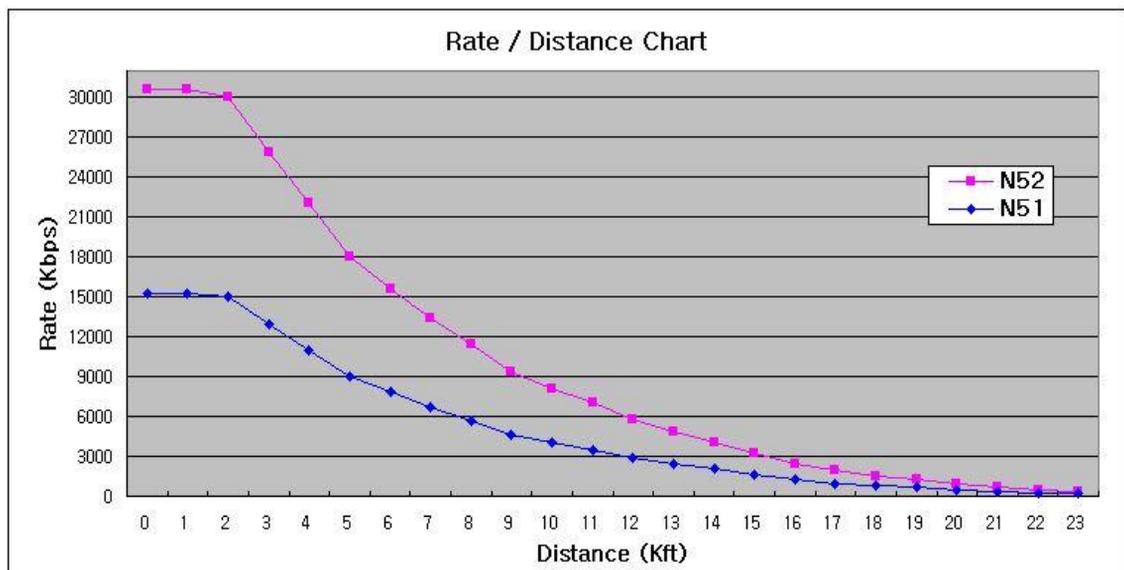
- Long reach symmetric and transparent LAN extension services
- Campus network connectivity extension
 - Railway/ Highway Network
 - Factory Site
- Cost effective Carrier Ethernet Access over copper.

Highlights

- Cost-effective Ethernet extension over Copper
- Easy and quick installation (Plug-and-Play)
- Various Diagnostic Indicators
- Reinforced surge protection from various sources of electronic shocks.

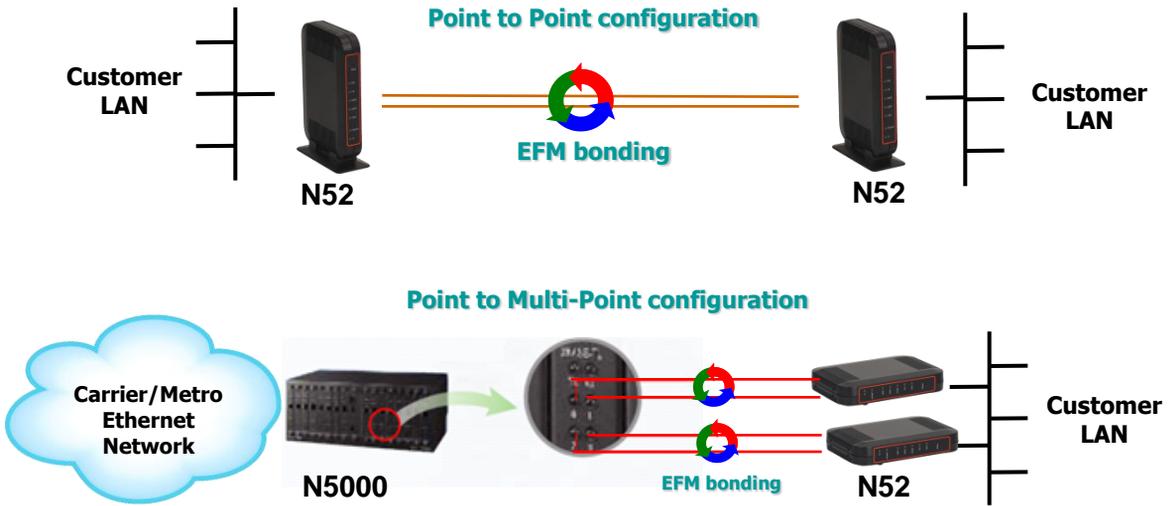
Wide Range of Transmission Rates

Ranging from 128Kbps to 30Mbps, N50 series support various levels of transmission rates depending on the distances as the below chart for Distance vs. Bandwidth.



Flexible configuration : either Point to Point or Point to Multi-point

With such flexibility, users can operate it in point to point configuration by simply configuring tact switch to set N50 series as a CO or CPE device. It also operates in point to multi-point configuration as a CPE of N5000, Ethernet-based Multi-Service Access Platform.



Specifications

Mechanical & Power Requirement

- Dimension (mm) : 160(W) X 108(D) X 30(H)
- Weight : 0.8 Kg
- Power : DC 5V 3.0A

Network Interface

- LAN
 - One 10/100BASE-T port (RJ45)
 - Auto MDI/MDIX
- WAN
 - G.SHDSL.bis (ITU-T G.991.2)
 - 2BASE-TL, 64/65o encoding
 - EFM bonding (IEEE 802.3ah PAF)
Max 15Mbps per pair (TC-PAM128)
 - RJ11 connectors

Management Interface

- Tact Switch for COT/ RT configuration
- Web Browser (HTTP)

LAN Protocols

- 802.1d Transparent Bridging
- up to 2K MAC Addresses

Production & Regulatory

- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- CE Approval
- VCCI Approval
- RoHS compliant

Environment

- Operating Temperature : 0° ~ +50°C
- Storage Temperature : -40° ~ +85°C
- Relative Humidity : 95%, non-condensing

Ordering Information

- N51: 1-pair SHDSL Extender
- N52: 2-pair SHDSL Extender

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* Specification is subject to change without prior notice.

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