

N50 Series



N51

SHDSL Bridge Modem, Ethernet extender

N51 is an SHDSL bridge modem, which provides 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, N51 product can support symmetrical data transmission at rates up to 15/15 Mbps using one (1) pair of existing twisted-pair telephone copper wires.

Key Features

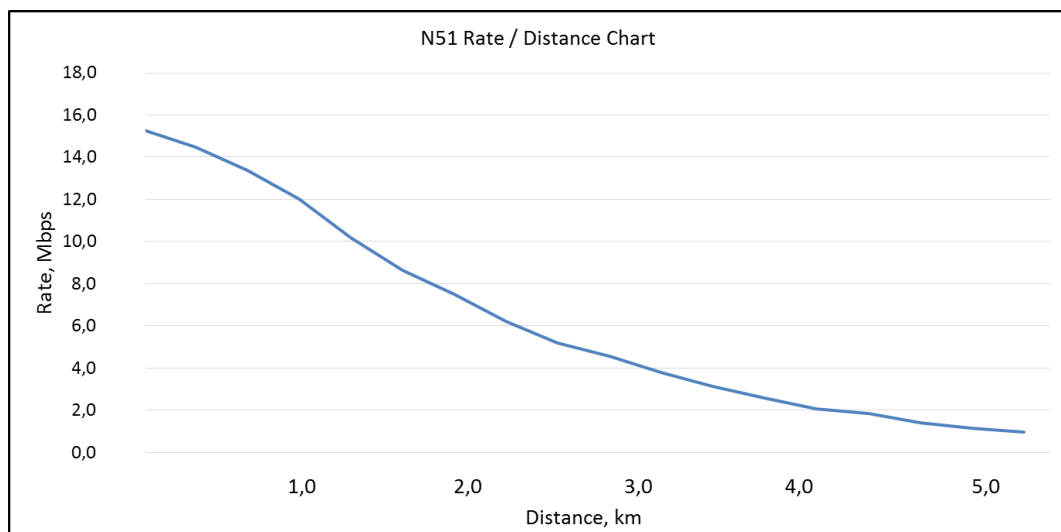
- Cost-effective Ethernet extension over copper pair
- Easy and quick installation (Plug-and-Play)
- Diagnostic LED indicators
- Reinforced surge protection from various sources of electric shocks

Applications

- Long reach, symmetric and transparent LAN extension
- Campus network connectivity extension
 - Railway/ Highway Network
 - Factory Campus
- Entry level modem for EoC service

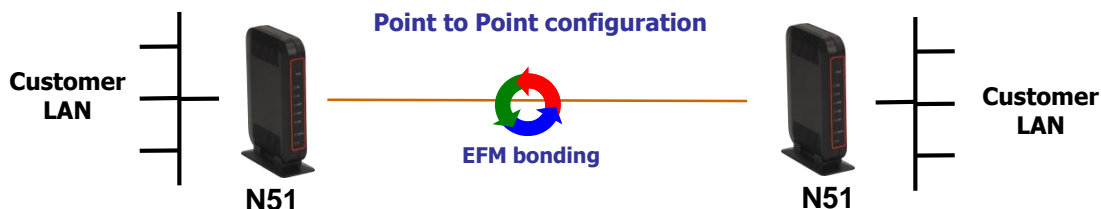
Wide Range of Transmission Rates

Ranging from 128 Kbps to 15 Mbps, the N51 support various levels of transmission rates depending on the distances as the below chart for distance vs. bandwidth



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

In point to point configuration, users can simply push mode switch to set N51 as a COE or CPE device. It also operates in point to multi-point configuration as CPE modems for N5000 DSLAM and N4000 DSLAM platforms.



Specifications

Mechanical & Power Requirement

- Dimension(mm) : 160(W) X 105(D) X 24(H)
- Net Weight : 0.2 Kg
- Power : DC 5V 3.0A

Network Interface

- LAN interface
 - One 10/100BASE-T port (RJ45)
 - Auto MDI/MDIX
- DSL interface
 - G.SHDSL (ITU-T G.991.2)
 - 2BASE-TL, 64/65o encoding
 - EFM bonding (IEEE 802.3ah PAF)
Max. 15/15 Mbps (1-pair / TC-PAM128)
 - RJ11 connectors

Management Interface

- Mode select switch for COE/ CPE configuration
- Web browser (HTTP)

LAN Protocols

- 802.1d Transparent bridging
- up to 2K MAC addresses

Production & Regulatory Approval

- ISO 9001 quality management
- ISO 14001 environmental management
- CE approved
- VCCI approved
- 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

DCombus.

Design Combust Oy

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* Specifications are subject to change without prior notice. N51, N562/N564 country of origin is Korea.