

N560FH series



N560FH series SHDSL / Fiber EDD (Environmentally Hardened)

NexComm Systems' N560FH series extends the reach of Ethernet services to sites with access to fiber or copper pairs. With copper (SHDSL) mode, designed with standard-based Ethernet in the First Mile (EFM) and Ethernet over Copper (EoC) technologies, N560FH series cost-effectively allows service providers and enterprises to deliver Ethernet services with symmetrical bandwidth at rates up to 60Mbps.

Key Feature

- Extended operating temperature up to 70°C
- 15Mbps per pair
- EFM Bonding (PAF) up to 60Mbps (4 pairs)
- IEEE 802.3ah Compliant
- Flexible configuration – COE or CPE mode
- EFM OAM support

Application

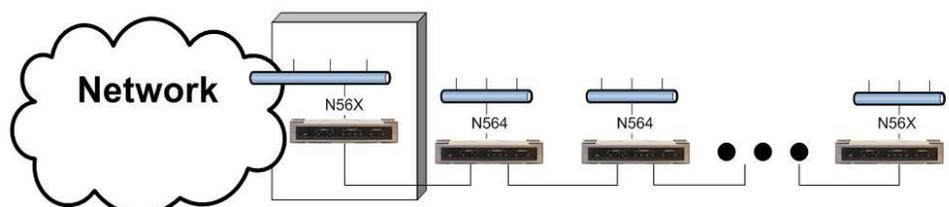
- Metro Ethernet Services (E-LINE/ E-LAN)
- Transparent LAN Service
- Fast Internet Access
- Cost effective replacement for E1/T1

Extended Operating Temperature – With environmentally hardened design and optimization for operating under harsh environment, N560FH can be located in outside cabinet or places where temperature is significantly high.

Extending Ethernet Services to Sites with existing copper infrastructure – Service Providers and enterprises can offer symmetrical, broadband connectivity for transparent Ethernet service, DSLAM backhaul, Wireless backhaul, and the more. By leveraging existing copper infrastructure and unparalleled EFM bonding technology, N560FH Series can bond up to 4 pair and deliver 1 to 60Mbps Ethernet services to all users within their service area.

Increased Flexibility in Deployment – N560FH can be configured in either COE or CPE mode giving users significant flexibility in installation when Point-to-Point configuration. But It can be also used in Point-to-Multipoint configuration as a CPE for NexComm's COE solutions, i.e. N5000 or N4224.

Daisy Chain & Add Drop Configuration – Easily extend Ethernet over Copper connectivity in linear way up to 30 hops without any delay in data transmission. This configuration is quite popular in railway and/or highway industries.



Example of Add Drop Configuration

Specifications

Mechanical & Power Requirement

- Ruggedized Metal Housing
- Dimension (mm) : 256(W) X 170(D) X 43(H)
- Weight : 2.5 Kg
- 19" Rack Mountable (optional mounting bracket)
- 85 ~ 230VAC, 50/60Hz
- -48VDC(Optional)

Network Interfaces

- Electrical Ethernet
 - 4 x 10/100BASE-T Ports (RJ45)
 - Auto MDI/MDIX
- Optical Ethernet
 - 2 x 10/100/1000BASE-T SFP Cages
- Ethernet over Copper
 - G.SHDSL.bis (ITU-T G.991.2)
 - 2BASE-TL, 64/65o encoding
 - EFM bonding (IEEE 802.3ah PAF)
 - Max 60Mbps (15Mbps/ pair)
 - RJ45 Connector

Environment

- Operating Temperature: -20° ~ +70°C [1]
- Storage Temperature : -40° ~ +85°C
- Relative Humidity : 0 ~ 95%, non-condensing

LAN Protocols

- 802.1d Transparent Bridging
- Up to 1K MAC Addresses
- Port-based VLAN

VLAN Support

- Port-based & Tag-based (802.1Q)
- up to 256 VLANs
- Double Tagging (Q-in-Q)
- VLAN Trunk mode

QoS Support

- Ingress rate control
- Egress traffic shaping
- Classification based on Port / 802.1p / DSCP
- 4 Priority Queues
- Strict Priority
- Simple WFQ

Management Interface

- Console (RS-232, RJ-45)
- Web Browser (HTTP), SNMPv1, Telnet
- EFM (IEEE 802.3ah) OAM
- RCMP (Remote Control & Management Protocol)

Production & Regulatory

- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- RoHS compliant

Ordering Information

- N562FH: 2-pair SHDSL / Fiber EDD
- N564FH: 4-pair SHDSL / Fiber EDD



Interfaces located in the Rear Side

NEXCOMM S Y S T E M S

B-409, Bundang Techno-Park, 148 Yatap-Dong,
Bundang-Ku, Sungnam-City, Kyunggi-Do, 463-760,
Korea

Phone: +82.31.781.1862/ Fax: +82.31.781.1863

E-mail: sales@nexcomm.co.kr

URL: www.nexcomm.co.kr

Note

[1] It can be operated up to +70°C with fan module. Without fan it can be operated up to +65°C.

* For information regarding pricing and ordering options, please contact NexComm sales team.

* Specification is subject to change without prior notice.