

N560FH series



N560FH series 2BASE-TL EFM EDD (Environmentally Hardened)

NexComm Systems' N560FH series extends the reach of Ethernet services to sites with no access to fiber by using bonded copper pairs. Designed with standard-based EFM technology (2BASE-TL), N560FH series cost-effectively allows service providers and enterprises to deliver Ethernet services with symmetrical bandwidth at rates up to 22.8Mbps. The delivery of Ethernet services with N560FH series can be made quickly by using existing copper pairs.

Key Feature

- Extended operating temperature up to 70°C
- 5,4Mbps per pair
- EFM Bonding (PAF) up to 22.8Mbps (4 pairs)
- IEEE 802.3ah Compliant
- Flexible configuration – CPE or CO
- EFM OAM support

Application

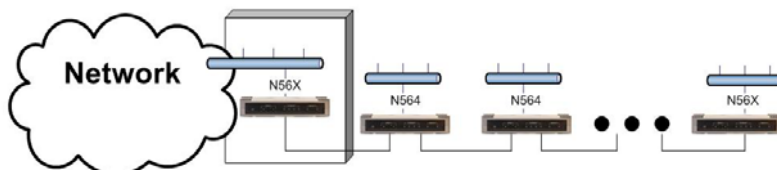
- Metro Ethernet Extension
- Transparent LAN Service
- Fast Internet Access
- Cost effective replacement for E1/T1, bundle E1/T1

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 45 Mbps 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 CO solutions, N5000 and N4224.

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.

Add Drop Configuration supporting linear hop configuration – Easily extend Ethernet over Copper connectivity in linear way up to 30 hops without causing delay in data transmission. This configuration is quite popular in Railway industry.



Example of Add Drop Configuration

Specification

Mechanical & Power Requirement

- Ruggedized with Metal Housing
- Dimension (mm) : 256(W) X 170(D) X 43(H)
- Weight : 2.5 Kg
- 19" Rack Mountable (Optional, Bracket is required)
- 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
 - ITU-T G.991.2. (2004)
 - 2BASE-TL, 64/65o encoding
 - EFM bonding (IEEE 802.3ah PAF)
 - RJ45 Connector
 - Max 45Mbps (11.4Mbps / pair)

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 4096 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

- N564FH: 4-pair 2BASE-TL EFM EDD
- N562FH: 2-pair 2BASE-TL EFM EDD



Interfaces located in the Rear Side

NEXCOMM SYSTEMS

C-501, Bundang Techno-Park, 145 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 operate under the temperature up to +70°C with fan module. Without fan it can still operate up to +65°C.

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

* Specification is subject to change without prior notice.