

NEXPEED NM500 Series G.SHDSL.bis Bridge MODEM



NEXPEED NM500 series are G.SHDSL.bis bridge modems that maximize full bandwidth of Symmetric DSL Technology by wire performance capable of supporting 5.7 Mbps on a single copper pair and 11.4 Mbps on 2-pairs, which can function as a remote LAN to LAN application.

NM540 Product Lines feature Global Standard Compliance including, ANSI T1E1 E.SHDSL (T1. 426)
ETSI Enhanced SDSL (TS 101 524 rev2)
ITU-T G.SHDSL.bis (G991.2 rev2)

NM500 Series make ideal solutions for business users requiring extensively broad bandwidth supporting Video Conferencing and VoIP. Especially, IEEE 802.1p/q compliant VLAN tagging and QoS implementations provide intelligence to Networks for Data Traffic Control and Allocation Efficiency for Intensive Broadband Business Applications.

Applications

- G.SHDSL.bis Customer Premise Equipment (CPE) modem to utilize high-speed DSL services - at speeds 100 times faster than traditional dial-up modems.
- MTU application with DSLAMs *
- Back to Back connection for remote LAN extension

High lights

- Maximum Distance up to 7Km.
- Maximum Speed up to 5.7Mbps on a single pair/11.4Mbps on 2 pairs
- ITU-T G.991.2(2004) Compliance: Annex F/G, TCPAM-16/32
- IEEE 802.3/802.3U Compatible
- Auto MDI/MDIX
- Auto Detection for 10/100 base T and Half/Full duplex
- Bridge Function
- Plug and Play
- 802.1p/q *
- Simple Configuration by DIP Switch or HTTP

Features

Wide Range of Transmission Rates

Ranging from 192Kbps to 5.7Mbps, the product supports 89 levels of transmission rates both in fixed mode and rate-adaptive mode according to the distance.

Convenient Installation

Needless of a separate installation program, It can easily be operated by simply connecting the LAN cable and power.

Economical Efficiency

The NM500 Series present remarkably economical solutions to network environments with the best valued costs.

Various Diagnostic Indicators

The NM500 Series support LEDs with various colors that visually indicate the status (Link, Activity, DSL, etc) of each port.

Special Features

- Power on Self Test
- BERT check with loop back
- Complete Surge Protection
- -Four parts (DSL/Ethernet/Console/Power) in the PCB

-Preliminary-

NEXPEED NM540 Specifications

POWER REQUIREMENT

External power supply module

- Input : AC 85 to 264V, 45 to 65Hz

- Output : DC +5V, 2A

MECHANICAL

Size 142mm(W) x 159mm(D) x 29mm(H)

Weight 0.6Kg

ENVIRONMENT

Operating Temp. 0°C to 50°C

Storage Temp. -20°C to 70°C

Humidity 5%~95%, non-condensing

PROTOCOLS

IEEE 802.1 d: Transparent MAC Bridging

MANAGEMENT

Remote Management (HTTP Server, SNMP)

Web-based GUI

INTERFACES

WAN Two G.SHDSL.bis (RJ-45 Jack)
Standard: ITU-T, G.992.1 rev2
ETSI, TS 101 524 rev2
ANSI, T1.426

LAN One 10/100 Base-T Ethernet (RJ-45 Jack)

DATA RATES

From 192Kbps to 5.7Mbps

Fixed mode : 89 speeds levels

Rate adaptive mode

INDICATORS

Power On/Off
WAN LINK Status, Activity
LAN LINK Status, Activity, 10/100 Status

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Specifications are subject to change without prior notice.

* Optional features on request/subject to change without notifications

Distance Range with 26AWG twisted pair

Data Rate	Range
Kbps (2W) / (4W)	Km
192 / 384	7.0
384 / 768	6.0
512 / 1,024	5.7
768 / 1,536	5.25
1,024 / 2,048	4.8
1,536 / 3,072	4.35
2,304 / 4,608	4.0
3,072 / 6,144	3.5
3,520 / 7,040	3.3
4,096 / 8,192	3.0
4,608 / 9,216	2.7
5,056 / 10,112	2.6
5,696 / 11,392	2.1

BACK PANNEL



: Power connector
: LAN RJ-45 Jack
: Dip switch for DSL configuration
: WAN RJ-45 Jack

Warranty

NexComm Systems, Inc. warrants NEXSPEED product family to be free from defects in workmanship and materials, under normal use and service, for a period of one year from the date of purchase for NexComm Systems Inc. or its Authorized Resellers.

Quality Management

NexComm Systems, Inc has been certified ISO9001 from European Quality Assurance Ltd. authorized agent of International Standard Organization(ISO)9001 Quality Management Standard

