

# NEXPEED NM220G

## SHDSL MODEM



NEXPEED NM220G is a SHDSL bridge modem, which allows multiple PCs sharing high speed internet access.

ITU-T Standard(G.991.2) based G.shdsl technology provides symmetrical data rates of 200Kbps to 2.3Mbps with a range up to 7km using single pair of ordinary telephone wire.

It can function as a remote LAN to LAN application, or as a Customer premises Equipment to the NexComm's SHDSL 4 port iMUX Router NR104G or other vendor's IP based DSLAMs.

NM220G can be configured as two types by simply setting parameters in HTTP server, one is Master Unit which operates as Central Office Equipment and the other is Slave Unit as a Customer Premises Equipment which doesn't need to be configured at remote site. The device has been designed for use both in office and home environments, compact in size and supporting plug-and-play to provide convenience for users.

### Applications

- Low cost entry level SHDSL Customer Premise Equipment(CPE) modem to utilize high-speed DSL services - at speeds 200 times faster than traditional dial-up modems.
- MTU application with DSLAMs
- Back to Back connection for remote LAN extension

### High lights

- TC-PAM encoded G.shdsl
- One WAN with RJ-11 and one LAN with RJ-45
- Rate adaptive mode
- VPN pass through for PPTP, L2TP, IPSec
- Tagged VLAN packet pass through
- Configurable by HTTP server
- Plug and play when CPE mode operation
- Intelligent diagnostic functions

### Features

#### Wide Range of Transmission Rates

Ranging from 200Kbps to 2.3Mbps, the product supports 30 levels of transmission rates both in fixed mode and auto baud mode according to the distance.

#### Convenient Installation

Needless of a separate installation program, you can connect to the Internet by simply connecting the LAN cable, telephone wire and power.

#### Economical Efficiency

The NM220G presents a remarkably economical solution to your network environment.

#### Various Diagnostic Indicators

The NM220G supports LEDs that visually indicates the status (Link, Activity) of each port.

#### Special Features

- Power on Self Test
- BERT check with loop back
- Periodic link status monitoring

# NEXPEED NM220G 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

Bridging Transparent MAC Bridging

## MANAGEMENT

Remote Management(HTTP Server, SNMP)  
 Windows-based GUI (Windows 9x/ME/NT/2000/XP)

## INTERFACES

WAN One SHDSL (RJ-11 Jack)  
 LAN One 10Base-T Ethernet (RJ-45 Jack)

## DATA RATES

From 200Kbps to 2.32Mbps  
 Fixed mode : 30 speeds levels  
 Rate adaptive mode : automatic

## INDICATORS

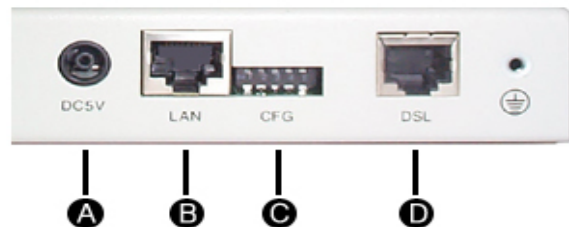
Power On/Off  
 WAN LINK Status  
 LAN LINK Status  
 ACT Activity

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 Specifications are subject to change without prior notice.

## Distance Range with 26AWG twisted pair

Data Rate Kbps	Range	
	Km	miles
200	7.2	4.5
384	6.4	4.0
512	5.9	3.7
1024	4.4	2.8
1536	3.8	2.4
2048	3.4	2.1
2320	3.0	1.9

## BACK PANNEL



- Ⓐ : Power connector
- Ⓑ : LAN RJ-45 Jack
- Ⓒ : Dip switch for DSL configuration
- Ⓓ : WAN RJ-11 Jack

## Interoperability

NEXPEED NM220G Modem is interoperable with major IP based DSLAM vendors. Please contact your authorized resellers for the latest interoperability information.

## 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

