

NEXPEED NR304G series SHDSL Router



NEXPEED NR304G series SHDSL routers provide a robust routing feature set for seamless integration of SHDSL that utilizes existing a single or twin pair copper wiring to enable the symmetrical broadband data communication service to the corporate LAN users. This series support also back to back mode of connection.

NR304GH provides four 10/100Base-T Ethernet ports to make connection to enterprise LAN. These support VLAN resulting multiple offices to share one SHDSL WAN port by using independent Ethernet ports. And it also provides priority feature to support QoS for VoIP connection.

NR304G-4W provides one 10/100Base-T Ethernet port to access to enterprise LAN and two SHDSL lines to support 4.6Mbps connection.

NR304G series are inter-operable with NexComm's 4 port iMUX router product NR104G as well as world's leading SHDSL vendor's IP based DSLAM to offer complete SHDSL solutions for ISPs and Network Service Providers(CLEC and ILEC).

Maximum Access Flexibility

With G.shdsl interface, NEXPEED NR304G series can support broadband Internet services from 200Kbps to 2.3Mbps on single pair of copper wire and up to 4.6Mbps with twin pairs. The adaptive and multi-rate G.shdsl provides flexibility to set-up and allocate desired bandwidth for existing LAN environments.

Concurrent Bridging and Routing

With concurrent routing and bridging, NEXPEED NR304G series routers give an economical solution for accessing the Internet and establishing Intranet. This functionality eliminates the need of two separate devices, modem and router.

By dedicated bridging with filters, it simplifies operation and allows users to access for Windows OS and other network protocols.

Economical Internet Access

With Network Address Translation technology, the NEXPEED router enables multiple users on the LAN to simultaneously access the Internet with a single IP address. NAT can make users operate it as a security device, and helps ISPs control the assignment of scarce addresses.

Easy Installation and Management

> Automatic Bandwidth Setup

NEXPEED router series implement automatic bandwidth setup procedures. The line rate is determined according to the rate of COE (central office equipment).

> Ordinary Command Line Interface(CLI)

CLI (Command Line Interface) in NEXPEED access router simplifies installation procedures.

> Web Browser Control

The NEXPEED router's HTTP server software simplifies setup procedures. It enables remote access to the system via Internet as well as TELNET.

> Easy System Upgrade

System upgrade software can be downloaded via Trivial File Transfer Protocol (TFTP).

> Dynamic Host Configuration Protocol(DHCP)

NEXPEED NR304G series are also equipped with a DHCP server and relay, which enables the NEXPEED routers to be assigned to IP addresses dynamically and minimize local set-up time for the network administrators.

> At-a-Glance LED Diagnostics

NEXPEED routers have various diagnostic LED's for an at-a-glance trouble shooting feature. They monitor the activities of each port and help pinpointing network problems.

NEXPEED NR304G series Specifications

POWER REQUIREMENT

- External power supply module
- Input : AC 85 to 264V, 45 to 65Hz
 - Output : DC +5V, 2A

MECHANICAL

- Physical Dimensions 230mm(W) x 165mm(D) x 35mm(H)
- Weight 0.5Kg
- Mounting Desktop or Wall-mount

ENVIRONMENT

- Operating Temp. 0°C to 50°C
- Storage Temp. -20°C to 70°C
- Humidity 5%~95%, non-condensing

PROTOCOLS

- Routing Number/Unnumbered WAN interface,
Dynamic & static IP, RIP1 & RIP2,
- Load Balancing NR304G-4W only
- Bridging Transparent Bridge
- Encapsulation HDLC, PPP, Frame-Relay
- Telnet
- TFTP(Trivial File Transfer Protocol)
- Proxy ARP(Address Resolution Protocol)
- NAT(Network Address Translation)
- DHCP(Dynamic Host Configuration Protocol) Server/Relay

INTERFACES

- WAN One SHDSL (RJ-11 Jack) for NR304GH
Two SHDSL with one RJ45 for NR304G-4W
- LAN (Ethernet) 10/100Base-T with RJ45
MDI/MDI-X 4 Ports (NR304GH only)

DATA RATE

- From 200Kbps to 2.3Mbps (NR304GH)
- From 400Kbps to 4.6Mbps (NR304G-4W)

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Specifications are subject to change without prior notice.

MANAGEMENT

- CLI(Command Line Interface) : Local Console Port with RJ45 Jack
Remote Management via TELNET
SNMP Agent
Web based management (HTTP Server)

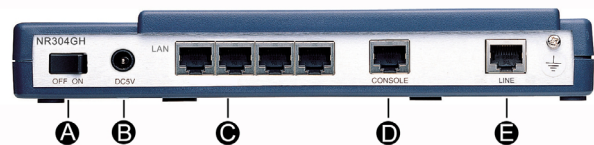
DIAGNOSTIC LEDES

- Power On/Off
- LAN Activity, Collision, Link(1 ~ 4)
- WAN Sync, TxData, RxData

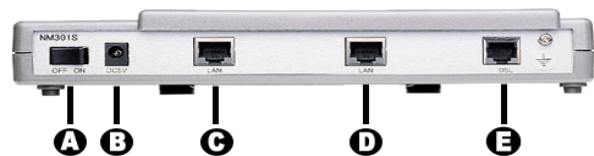
CERTIFICATIONS

- EMC FCC Part15 Class B
CE EN55022 Class B
EN55024
- SAFETY CE EN60950/ ACA TS001:1997
- FCC Q05NR-304GH
- ACA/ACIF S043.2:2001

BACK PANNEL(NR304GH)



BACK PANNEL(NR304G-4W)



- Ⓐ Power Switch
- Ⓑ To Power : DC connector
- Ⓒ To LAN : RJ-45 Jack
(4Ports for NR304Gh, 1 Port for NR304G-4W)
- Ⓓ To Control Terminal (Console) : RJ-45 Jack
- Ⓔ To LINE : RJ-11 Jack(for NR304GH)
RJ-45 Jack (for NR304G-4W)

Quality Management

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



NEXCOMM
SYSTEMS

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