

4-Wire Modem Router

Up to 4.6Mbps
Symmetrical data
rates.

NAT Security

Bridge or Router
modes.



**High Speed Symmetrical Internet Modem/Router
to service your business needs.**

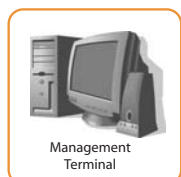
Today's Enterprise and SME businesses are constantly battling the unrelenting pressure to do more in less time. Designed for applications that require high speed Internet or WAN links, such as Voice over IP, Video Conferencing or Data hosting, the NB704 uses the next generation of SHDSL technology to deliver scalable bandwidth, beyond the coverage area traditionally serviced by DSL or 2-wire SHDSL services.

The NB704 utilises existing telecommunications infrastructure (two twisted pairs of copper wire, 4-wire) to enable high-speed symmetrical services with data transfer rates of up to 4.6Mbps (up and downstream), which translates to higher throughput and productivity.

Features

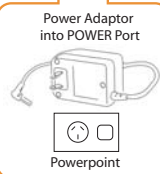
- High Speed Symmetrical Data Transmission on two Twisted Pairs of Copper Wires
- Symmetrical Multi-rate Data Transmissions from 144 Kbps up to 4.6 Mbps
- Supports PPPoE (RFC2516), PPP (RFC2364), and IP (RFC 2225/RFC1577) over ATM over SHDSL RFC2684 (RFC1483) Bridged/Routed for both LLC/VC MUX
- Operates in Bridge or Router modes.
- Allows multiple LAN users to access Internet through Network Address Translation (NAT, IP sharing) simultaneously
- Configuration and management by local Telnet, SNMP, and WEB Browser through the Ethernet interface, and remotely through SHDSL interface
- Built-in DHCP server
- Firmware upgradeable through TFTP
- Ethernet switch with four 10/100Mbps auto-sensing ports for PC or LAN connection
- Supports up to 8 PVC's
- ITU standard PAM16 Line Code, complies with G.991.2 and G.994.1 standards
- Local OAM&P through command line interface via RS-232 Craft port

4-Wire Modem Router



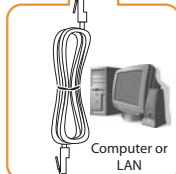
Management Terminal

Easy to connect with step by step installation instructions.

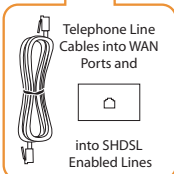


Power Adapter into POWER Port

Powerpoint



Computer or LAN



Telephone Line Cables into WAN Ports and

into SHDSL Enabled Lines

3 YEAR WARRANTY*

1 year warranty out of the box.

Extra 2 years FREE with online registration at www.netcomm.com.au

*Conditional upon registration online.

Package Contents

- NetComm 4 wire SHDSL Modem Router
- Ethernet Cable
- 2 X RJ-11 Cables
- AC Adapter
- User Guide on CD ROM
- Package Contents Note

Specifications

Hardware

Local Interface

- Four 10/100BaseTX Ethernet switch, IEEE 802.3u, RJ-45 connectors
- 10 Half, 10Full, 100Half, 100Full, Auto Negotiation configurable for each port
- Supports port based VLAN

WAN

- Double SHDSL Line Interface
- Data Rate: 144 Kbps up to 4.6Mbps rate adaptive
- Line Code: PAM16
- Line Impedance: 135 Ohms
- Connection Loops: Two Pairs (4 wire)
- Connector: RJ-11

Indicators

- PWR – Green LED, indicates power and operation
- ACT – Green LED, indicates LAN data Transmitting / Receiving
- LINK – Green LED, indicates LAN data link status
- WAN – Green LED, indicates SHDSL data link status
- ALM – Red LED, indicates data error and operation fault

Management

- Local: RS-232 Serial Port or Telnet, Web browser via Ethernet
- Remote: SNMP, Telnet, or Web browser

Environment

- Operation Temperature: 0°C ~ 45°C
- Operation Humidity: 5% ~ 95%
- Storage Temperature: -20 ~ +85°C
- Storage Humidity: 5%~95%

Physical Dimensions

- (W x D x H) 220mm x 169mm x 40mm

Power

- AC Adapter :Input 240 Volts AC/50Hz; Output 12VDC 1A
- Power Consumption: Less than 10 Watts

Certificates

- EMC: CE, FCC Part 15 class B, CB, A-Tick

Specifications

Software

ATM

- ATM Cell over SHDSL, AAL5
- Support UBR & CBR, VBR-nrt & VBR-rt
- VPI Range (0-4095) and VCI range (1-65535)
- Supports up to 8 PVCs for Bridge and 5 PVCs for Router
- Supports OAM F4/F5 loopback
- Payload Encapsulation --
 - RFC2684 (RFC1483), multi-protocol over ATM
 - RFC2225 (RFC1577), IPoA
 - RFC2364, PPP over ATM (CHAP and PAP supported)
 - RFC2516, PPPoE (PPP over Ethernet) over ATM

Bridging

- Transparent Bridging (IEEE 802.1D)
- RFC2684 (RFC1483) Bridged
- Spanning Tree Protocol (IEEE 802.1D)
- Supporting IP, IGMP, and PPPoE packets filter function
- Port based VLAN

Routing

- TCP/IP with RIP1, RIP2, or static IP routing
- NAT/PAT – RFC1631 (basic Firewall support)
- RFC2684 (RFC1483) Routed
- DNS Relay

Other

- DHCP server for IP management
- TFTP for firmware upgrade and configuration

NetComm is Australia's dynamic data communications and networking solutions provider. For more information on this and other NetComm products, please visit www.netcomm.com.au

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