



- Ⓢ Make and receive VoIP calls from two telephone handsets
- Ⓢ QoS (Quality of Service) router to maintain VoIP call quality
- Ⓢ Two FXS (Phone) telephone ports and 3-port LAN switch
- Ⓢ Simple web-based setup and configuration
- Ⓢ Supports advanced Call services – Caller ID, Call On-Hold, Call Forward, Call Waiting and Transfer – service provider dependent\*

\*Note: The availability of some listed call features are dependent on the service supported by your VoIP service provider. Please consult them for further information.

### V200 VoIP technology

NetComm's V200 VoIP Telephone Adaptor/Router has been designed for residential and small business users to deliver predictable real-time voice quality over the Internet. It connects directly to any broadband modem and service (Cable or DSL) plus an account with a VoIP Service Provider.

A standard analogue telephone (desktop or cordless) is connected to the FXS (Phone) ports on the back of the V200, allowing the user to route calls over the Internet to anywhere in the world using VoIP, significantly reducing or even eliminating long distance call charges.

### Enhance your VoIP experience

To enhance your VoIP experience and simplify network integration, the V200 is equipped with a 3-port switch and Quality of Service (QoS) router. The V200's QoS feature ensures you maintain high-quality VoIP calls during periods of heavy Internet use by dynamically calculating and shaping the required upstream bandwidth without the need for complex user configuration.

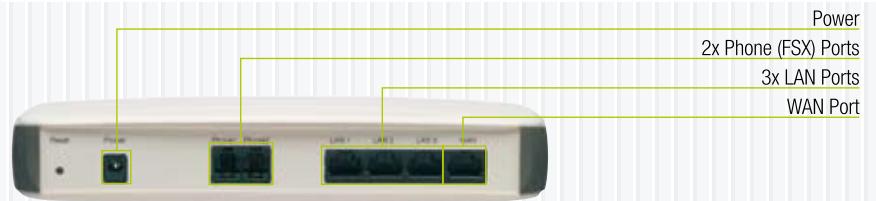
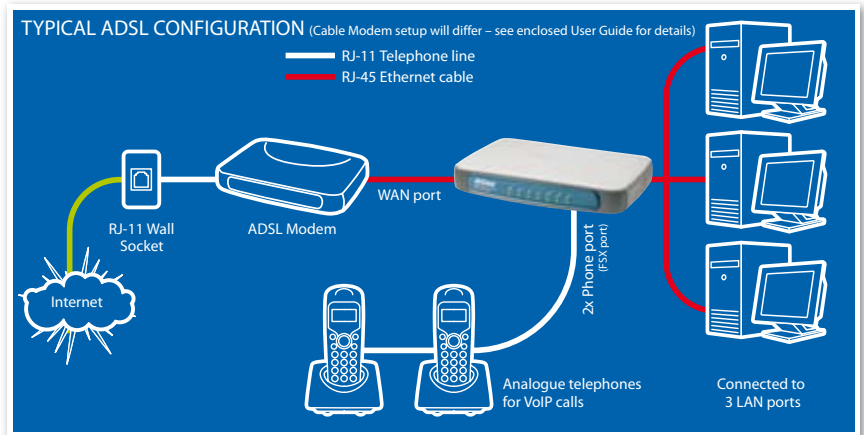
# VoIP Telephone Adaptor/Router

## V200 Two Phone port VoIP Adaptor with 3-Port Router

### Key Features

- Make and receive VoIP calls from two telephone handsets
- QoS (Quality of Service) router to maintain VoIP call quality
- Two telephone ports and 3-port LAN switch
- Supports advanced Call services – Caller ID, Call On-Hold, Call Forward, Call Waiting and Transfer – service provider dependent\*
- Simple web-based setup and configuration

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### TECHNICAL SPECIFICATIONS

**V300 PORTS** • 1 x WAN port RJ-45 IEEE 802.3 10/100 Base-T, Auto-crossing • 3 x LAN port RJ-45 IEEE 802.3 10/100 Base-T, Auto-crossing • 2 x FXS RJ-11 for connection to analogue telephone

**WAN PROTOCOL SUPPORT** • DHCP client (RFC 2131) • Static IP • PPP over Ethernet client (RFC 2516)

**INTERNET SUPPORT** • IP, TCP, UDP, ICMP, ARP protocols • HTTP • DNS

**VoIP PROTOCOL SUPPORT** • Session Initiation Protocol (SIP, RFC 3261) • Session Description Protocol (SDP, RFC 2327) • Transport Protocol for Real-Time Applications (RTP, RFC 1889)

**VoIP AUDIO CODEC** • G.729a • G.711 alaw • G.711 ulaw

**DTMF RELAY** • In-band • Out-band (RFC 2833)

**VOICE FEATURES** • Echo Cancellation (G.168) • Voice Activity Detection (VAD) • Comfort Noise Generation (CNG) • Silence Suppression • Jitter Buffer • Adjustable RTP packetisation interval

**TELEPHONE FUNCTION SUPPORT** • Caller ID (On/Off hook Caller ID ETSI based) • DTMF tone generation • Dial tone, Busy tone, Ring back tone generation

**VoIP CALL TYPES** • SIP proxy • Phone Book for Peer-to-Peer IP Call

**QUALITY OF SERVICE (QoS)** • Internal Bandwidth Shaping (The system dynamically calculates the necessary bandwidth required to maintain optimal voice quality)

**BUILT-IN ROUTER** • DHCP client/server • NAT Firewall • Port forwarding • DMZ • Virtual server

**POWER SUPPLY** • External power adapter 240V AC (input) ~ 12V DC/1.5A (output)

**SECURITY** • PAP/CHAP for PPPoE authentication • MD5 for SIP registration authentication

**OTHER VoIP CALL FUNCTIONS\*** • Call Transfer • Call Waiting • Call Hold/Resume • Call Forward • Call Switch • CFU (Call Forward Unconditional) • CFB (Call Forward Busy)

**VPN SUPPORT** • IPSec and PPTP pass-through

**LED** • Power, WAN, LAN 1x, LAN 2x, LAN 3x, Phone 1, Phone 2

**ENVIRONMENTAL CONDITIONS** • Operating temperature 0 ~ 50C° • Relative humidity 5 ~ 90% (non-condensing)

**DIMENSIONS** • 227 mm (W) x 40 mm (H) x 144 mm (D)

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#### PACKAGE CONTENTS

• V200 VoIP Telephone Adaptor/Router • 12V DC 1.5 Amps power supply • RJ-11 line connection cable • RJ-45 10/100 Ethernet cable • CD with User Manual • Package Contents List • Quick Start Guide

#### THREE YEAR WARRANTY\*

One year warranty out of the box. Extra two years free with online registration at [www.netcomm.com.au](http://www.netcomm.com.au)

Your NetComm dealer:

**NetComm**<sup>®</sup>  
Broadband Solutions

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