

NetComm® NETCOMM EXPRESS™ SERIES VoIP Adapter



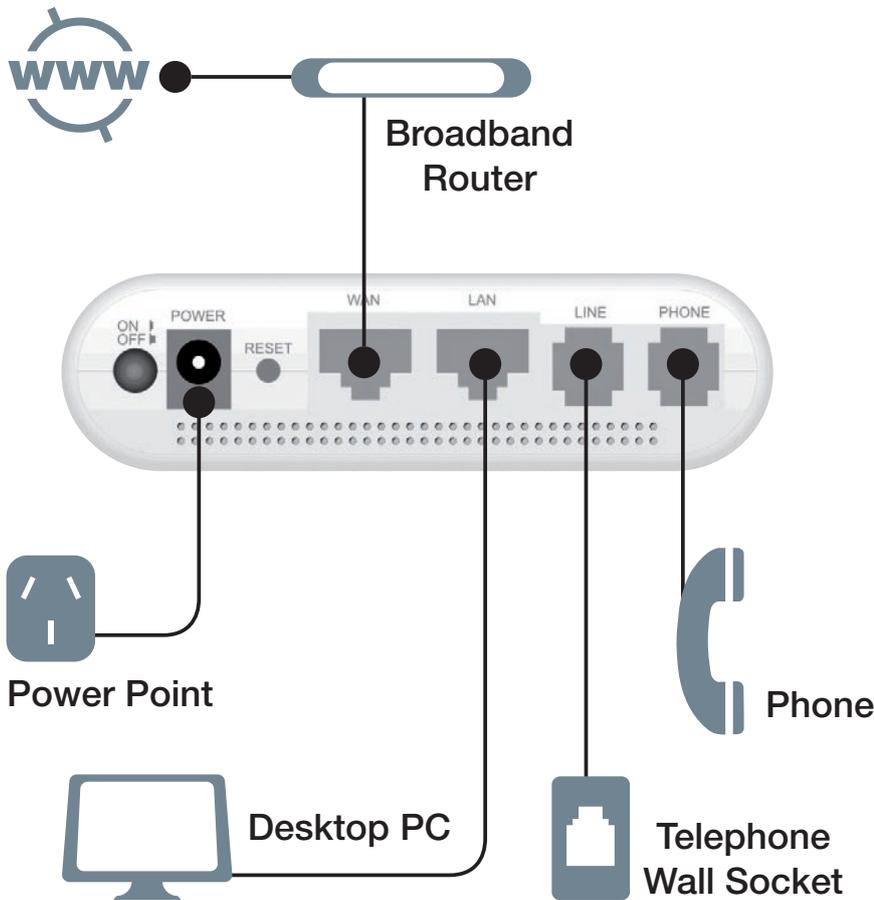
KEY FEATURES

- Ⓢ Make and receive VoIP calls from a single telephone handset
- Ⓢ Landline backup in the event of a failure with your VoIP Service
- Ⓢ 1 FXS, 1 FXO port and 1 LAN port
- Ⓢ 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.

Model Code/ Part Number	Description	APN Code
V210P	NetComm Express™ Series VoIP Adapter	9317773012491

NetComm[®] NETCOMM EXPRESS[™] SERIES VoIP Adapter



NetComm's V210P VoIP Telephone Adaptor 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.

Suitable for those who want the convenience of a landline (PSTN) combined with the savings of VoIP in one compact unit. The V210P delivers both VoIP and landline calls to a single handset, giving you the cost savings of VoIP with the security of a landline backup if and when you need it. The V210P also features QoS functionality to maintain call quality.

TECHNICAL SPECIFICATIONS

NETWORK PROTOCOL

- SIP v1 (RFC2543), v2(RFC3261)
- IP/TCP/UDP/RTP/RTCP
- IP/ICMP/ARP/RARP/SNTP
- TFTP Client/DHCP
- PPPoE Client
- HTTP Server
- DNS Client
- NAT/DHCP Server

TONE

- Ring Tone
- Ring Back Tone
- Dial Tone
- Busy Tone
- Programming Tone

CODEC

- G.711: 64k bit/s (PCM)
- G.723.1: 6.3k / 5.3k bit/s
- G.726: 16k / 24k / 32k / 40k bit/s (ADPCM)
- G.729A: 8k bit/s (CS-ACELP)
- G.729B: adds VAD & CNG to G.729
- GSM

PHONE FUNCTION

- Volume Adjustment
- Speed dial key

- Phone book
- Flash

VOICE QUALITY

- VAD: Voice activity detection
- CNG: Comfortable noise generator
- LEC: Line echo canceller
- Packet Loss Compensation
- Adaptive Jitter Buffer

IP ASSIGNMENT

- Static IP
- DHCP
- PPPoE

CALL FUNCTION

- Call Hold
- Call Waiting
- Call Forward
- Caller ID
- 3-way conference

SECURITY

- HTTP 1.1 basic/digest authentication for Web setup
- MD5 for SIP authentication (RFC2069/RFC 2617)

DTMF FUNCTION

- In-Band DTMF
- Out-of Band DTMF
- SIP Info

NAT TRAVERSAL

- STUN

SIP SERVER

- Registrar Server
- Outbound Proxy

CONFIGURATION

- Web Browser
- IVR/Keypad

FIRMWARE UPGRADE

- TFTP
- HTTP

AUTO PROVISIONING

- HTTP
- FTP
- TFTP

MODEM & FAX MODES

- G.711 fax/modem pass-through with fax/modem detection
- T.38 support

INTERFACE

- 1 WAN port interface
- 1 LAN port interface
- 1 FXS port interface
- 1 FXO port interface