



## KEY FEATURES

- ⊙ Make and receive VoIP calls from two telephone handsets
- ⊙ Two FXS (Phone) telephone ports 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.

### V220 VoIP technology

NetComm's V220 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.

A standard analogue telephone (desktop or cordless) is connected to the FXS (Phone) ports on the back of the V220, 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.

## TECHNICAL SPECIFICATIONS

### NETWORK PROTOCOL

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

### 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
- 2 VOIP port interface (FXS)

## Typical ADSL Configuration

