



- ① SIP compatible (RFC-3261) Desktop Telephone
- ① Full duplex hands free Speakerphone
- ① Dual row LCD display for status and setup functions
- ① 10 speed dials and 50 number phonebook
- ① Equipped with 729, 723 and 711 codecs
- ① 2-way volume control for handset speaker/microphone and voice loud speaker
- ① Simple setup and configuration via keypad or web browser

NetComm's V85 VoIP Desktop Telephone is the ideal Internet device for any small business or home user wanting to take advantage of the benefits of IP Telephony services. The V85 is a fully-featured Digital IP telephone using the popular Session Initiation Protocol (SIP) standard to deliver high-quality voice calls over the Internet. When utilising a broadband Internet and VoIP service, home users can take advantage of VoIP by plugging the V85 VoIP Desktop Telephone directly into a broadband modem router.

Alternatively, a business can deploy VoIP by connecting the V85 Desktop Phone into the LAN port of an Ethernet Network and use their existing broadband/VoIP service to significantly reduce or eliminate long distance or inter-office phone charges.

Adding to the V85's elegant design are a host of handy features including Full Duplex Speaker Phone with echo cancellation, speed dials, phone

book, call transfer, mute and a unique volume control for both the handset speaker/microphone.

The V85 also features a dedicated PC port that can connect both the phone and the computer to the network using only one network connection; eliminating the need to install additional network wall points at each workstation.

NetComm has also made the set-up and configuration easy to achieve. By using either a web browser or the phone's dual row LCD and keypad, the initial set-up or advanced features can be configured in minutes with a minimum of fuss.

The V85 supports a number of supplementary call services which are provided by most VoIP service providers. These are Caller ID, Call On-Hold, Call Forward, Call Waiting and Transfer to external number functions\*.

\* Supplementary features must be supported by your VoIP service provider.

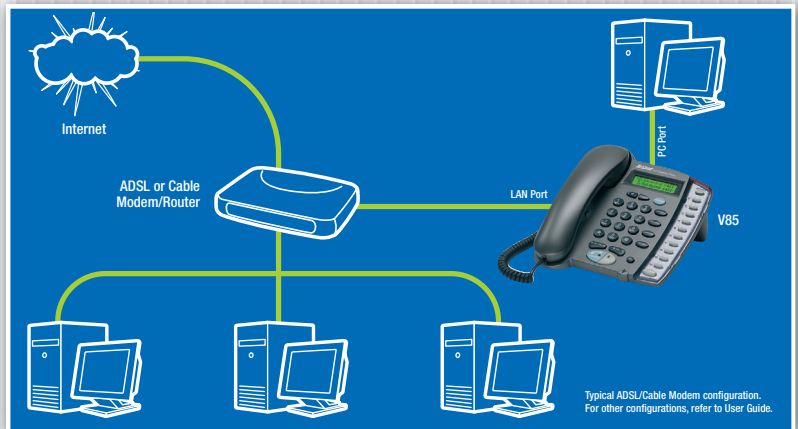
# V85 VoIP Desktop Telephone

SIP – Full Duplex Speakerphone

## KEY FEATURES

- Ⓢ SIP Compatible (RFC-3261) Desktop Telephone
- Ⓢ Full duplex hands free Speakerphone
- Ⓢ Dual row LCD display for status and setup functions
- Ⓢ 10 speed dials and 50 number phonebook
- Ⓢ Equipped with 729, 723 and 711 codecs
- Ⓢ 2-way volume control for handset speaker/microphone and voice loud speaker
- Ⓢ Detailed Call Register for missed incoming and outgoing calls
- Ⓢ Supports supplementary call services (Call on hold, forward or transfer – service provider dependent)
- Ⓢ IP address assigning using PPPoE, DHCP or Static
- Ⓢ DTMF Tone generation
- Ⓢ Second Ethernet Port for connection to PC or LAN
- Ⓢ Simple setup and configuration via telephone keypad or web browser
- Ⓢ **3-YEAR WARRANTY WHEN YOU REGISTER ONLINE**  
1 year warranty out of the box. Extra 2 years FREE with online registration at [www.netcomm.com.au](http://www.netcomm.com.au)

(Conditional upon online registration)



PC Port

LAN Port

Power

## TECHNICAL SPECIFICATIONS

### VoIP

- SIP (RFC3261)
- MD5 Authentication
- DTMF transfer: In-band, Out-band (RFC2833 and SIP Info)
- NAT Traversal Support using STUN, Port forwarding and Outbound Proxy

### VOICE

- Codecs: G.723.1 (6.3k/5.3k), G.729A/B, G.711 (A-law/U-law)
- Full duplex hands free Speakerphone
- Echo Cancellation (G.168)
- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generation)
- Direct IP dialing (no need for proxy server)
- Silence suppression

### NETWORK SUPPORT

- Protocols: TCP/UDP/IP, RTP/RTCP, HTTP, ICMP, ARP, DNS, DHCP client, NTP/SNTP, FTP, PPPoE
- Broadband connection: PPPoE client, DHCP client, Static IP
- Configuration: Keypad and LCD, Web browser
- Firmware upgrade: FTP

### ETHERNET

- IEEE 802.3 10/100 BASE-T Ethernet, auto sense, auto crossing
- 1 x RJ-45 port to DSL/Cable modem/router
- 1 x RJ-45 port to PC or switch

### KEY PAD

- Standard phone set keys
- 10 memory speed dial
- Up & Down LCD Menu navigation

- Menu/OK
- Cancel
- Text to number switch
- Transfer, Hold, Redial, louder speaker
- Handset Speaker/Louder Speaker/Ringer/Microphone volume adjustment

### TELEPHONE TONE

- DTMF
- Ring tone
- Ring back tone
- Dial tone
- Busy tone
- Choice of 10 ring tones

### CALL MANAGEMENT

- Incoming call history
- Missed or not accepted call history
- Make direct calls from call history

### LED INDICATORS

- Network connection
- Ethernet status
- Louder speaker
- Hold
- Incoming call notification

### LCD DISPLAY

- 2x16 characters

### SPEAKER

- 8 Ohm/0.2 Watt speaker for speakerphone operation

### POWER INPUT

- 7V DC 800mA power adaptor

### DIMENSIONS

- 170mm (W) x 220mm (D) x 60mm (H)

### WEIGHT

- 730g

### SAFETY/ EMI

- C-Tick

### WORKING ENVIRONMENT

- Temperature: 0 ~ 40C° (32 ~ 104F°)
- Humidity: 10% ~ 95% (non-condensing)

### MINIMUM SYSTEM REQUIREMENTS

- Account with a VoIP Service Provider
- Broadband service – ADSL or Cable
- (256Kbps download /128Kbps upload recommended)
- Broadband Modem/Router with spare Ethernet Port
- PC equipped with a Ethernet network interface and Web
- Browser (eg, Mozilla or Netscape) for configuration only

### PACKAGE CONTENTS

- V85 VoIP Desktop Handset
- 12V DC 300mA power supply
- RJ-45 10/100 Ethernet cable
- User Guide CD
- Package Contents List
- Quick Start Guide

Your NetComm dealer:

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

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