



**WELLTECH**

# LAN PHONE 201

**An IP Phone solution provides telephone call over IP-Network**



LAN-Phone 201 is a full-featured IP-based telephone set for office telephony via Ethernet base communication. Over the office LAN connection, it provides IP-PBX solution such as station-to-station call, IP call and local PSTN/PBX extension call via PSTN Gateway. The traditional PBX functionality is provided with H.450 features together with Gatekeeper or IP/PBX Call Manager. Two 10/100BaseT embedded switch/hub RJ-45 ports allow connection to office LAN and PC on your table.

It is easily interface with ADSL/Cable Modem that is provided by ITSP, ISP or carrier company to provide VoIP services to residential and SOHO application. An integrated Analog Phone features provides IP call or PSTN call selection. Or to be a Plain Old Telephone set (POTs) when external power is failure.

It provides programmable keys and feature buttons, an internal high-quality speakerphone with microphone mute, HOLD function, FORWARD and TRANSFER feature buttons. The LAN-Phone 201 also provides a dot matrix of two lines 24 characters LCD display each. The display provides features such as date and time, calling party name, calling party number, and digits dialed. An LED associated with each feature and line buttons provides feature and line status.

Web Browser, TELNET and LCD front panel provide local and remote configuration, Management and software download. By using this feature, ITSP/ISP provides centralized control, management and software upgraded remotely. Several examples are listed below: IP/Gatekeeper addressing setting, dial plan, voice coder, Gatekeeper and Peer to Peer mode selection, QoS and call progress tone setting.

## Application:

- ISP/ITSP (Internet Telephony Service Provider)
- Multi-nation enterprise communication
- SOHO Telephony
- IP-PBX with office telephony services

## Benefits

- Easy access to Internet phone call
- Cost Saving - Telephone call from VPN or public Internet
- Follows the existing telephone call dial plan
- Easy interface to ADSL/Cable Modem or Leased line equipment
- Built-In two 10/100BaseT Switch/Hub
- Built-In analog line telephone function

## Technical Specification

### Interface

- Two 10/100BaseT Ethernet port with Switch/Hub inside
- One RJ-11 PSTN analog line interface
- Input Voltage 9Vdc (External AC input, DC 9V output adaptor)

### Features

- Support ITU-T H.323 V4 protocol
- Support SIP (RFC 3261)
- PPPoE
- When PPPoE re-connect, LAN Phone will reboot, and on LCD will display related messages
- Behind NAT IP sharing device
- Support two LAN phone behind the same NAT
- if the NAT supports multi public IP, the LAN phones that behind the NAT can be found by its IP address.
- Support H.235 security function
- Support both Fixed IP and DHCP
- Support Fast Start and H.245 Tunneling
- upto ten E164 phone numbers
- LCD configuration password protection
- Provide H.450 services (Call Hold, Transfer, Forward)
- Automatically GateKeeper Discovery
- Provide Peer-to-Peer Mode (Non Gatekeeper needed) selection
- 2 x 24 dot matrix LCD display
- Speaker phone and Handset operation
- Ring tone, Speaker and Handset volume adjustable
- 10 sets last number redial
- LCD Display: Time, Date, Caller ID, Call Duration
- 9 one touch function keys : Speaker, Redial, Mute, Hold, Transfer, Forward, PSTN, Message, speed
- 5 LED display : PSTN, Message, Hold, Mute and Speaker
- Enter IP phone and Gatekeeper IP address from Keypads
- Configure Dial path selection (PSTN or IP mode)
- MS-NetMeeting v3.0 compatible
- Compatible with Cisco product ,Operphone
- Support QOS by setting DSCP (Differentiated Service Code Point) parameters of VoIP packet



Dimension: 215mm(W) x 71mm(H) x 198mm(D)  
Weight(unit):834 grams

- Support 802.1P1Q (VLAN)
- Phone book via web interface can set 20 sets
- Support DNS server inquiry and DDNS function

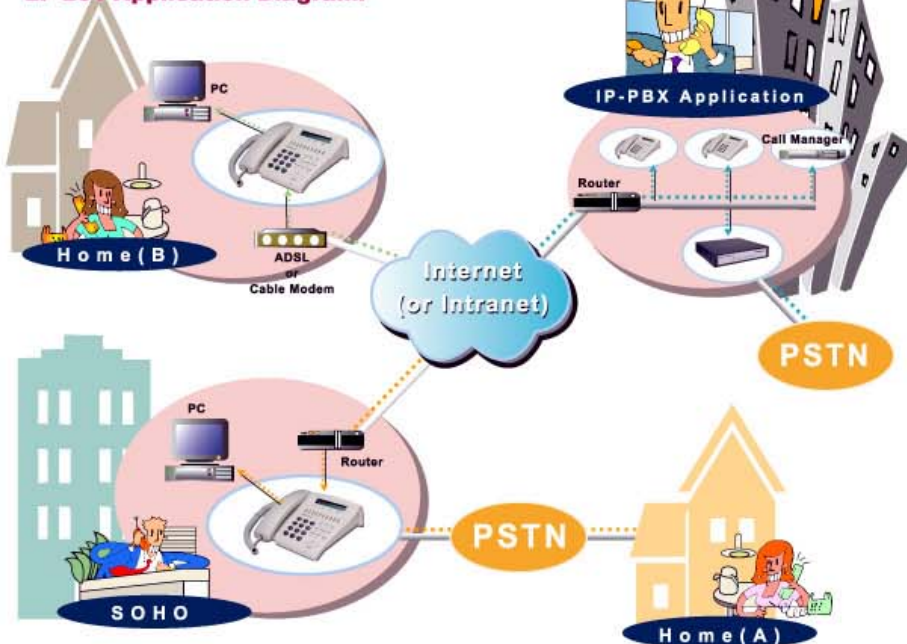
### Audio Performance

- G.711 A/μ - Law, G.723.1, G.729A, G.729B, G.729AB
- VAD, CNG
- G.168/G.165 compliant echo cancellation
- Programmable Dynamic Jitter Buffer
- Bad Frame interpolation
- Completed voice band signaling support
- Provide both in-band and H.245 out of band DTMF generation/detection
- Gain/Attenuation Settings
- Provide Progress Tone: Dial tone, busy tone, call-holding tone and ring-back tone
- PSTN port is working when power is failure

### Management Features:

- TFTP/FTP download
- Three easy ways for system configuration
  - LCD Front Panel
  - TELNET
  - Web Browser

### LP-201 Application Diagram:



### Environmental

Humidity: 10 to 90 %, (Non-condensing)  
Operational Temperature : 0 to + 40 °C

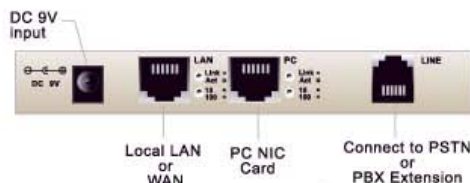
### Certification

- CE, 3C

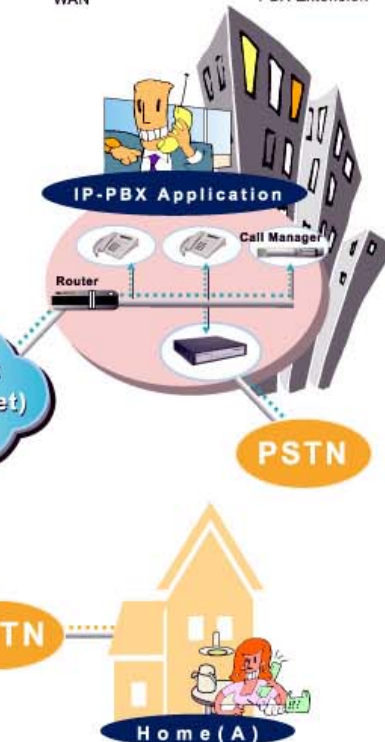
### LED indicator for system status

SPEAKER : Speaker Phone working status  
MESSAGE : Message indication  
LINK/ACT : 10/100BaseT status  
HOLD : IP call put on hold indication  
MUTE : IP call is in Mute status  
PSTN : Selection between IP call and analog line call

### Rear Panel Drawing



Local LAN or WAN      PC NIC Card      Connect to PSTN or PBX Extension



Welltech Computer Co., Ltd.  
13F-4, No.150, Jian Yi Road,  
Chung-Ho, Taipei, Taiwan  
Tel: +886-2-82265699  
Fax: +886-2-82265799  
E-mail: sales@mail.welltech.com.tw  
Http://www.welltech.com.tw