

# LP-201

**An IP Phone solution to provide telephone call over IP-Network with H.323 protocol.**



LP-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 LP-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.

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
- Phone to PC, Phone to Phone

## 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 output adaptor)

### Features

- Support ITU-T H.323 V2/V3/V4 protocol
- PPPoE
- Behind NAT IP sharing device
- 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 (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
- 8 one touch function keys : Speaker, Redial, Mute, Hold, Transfer, Call Forward, PSTN, Message
- 5 LED display : PSTN, Message, Hold, Mute and Speaker
- Enter IP phone and Gatekeeper IP address from Keypads
- Configure Dial path selection
- MS-NetMeeting v3.0 compatible
- Support QOS by setting TOS (Type Of Service) parameters of VoIP packet
- Support 802.1P1Q , VLAN , DiffServ

### Audio Performance

- G.711 A/u-Law, G.723.1, G.729A, G.729
- VAD, CNG
- G.168/G.165 compliant echo cancellation
- Programmable Dynamic Jitter Buffer



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

- Bad Frame Interpolation
- Completed voice band signaling support
- Provide both Inband and Outband 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
- Two easy ways for system configuration  
-LCD Front Panel  
-TELNET
- Configure by Welltech Management Center

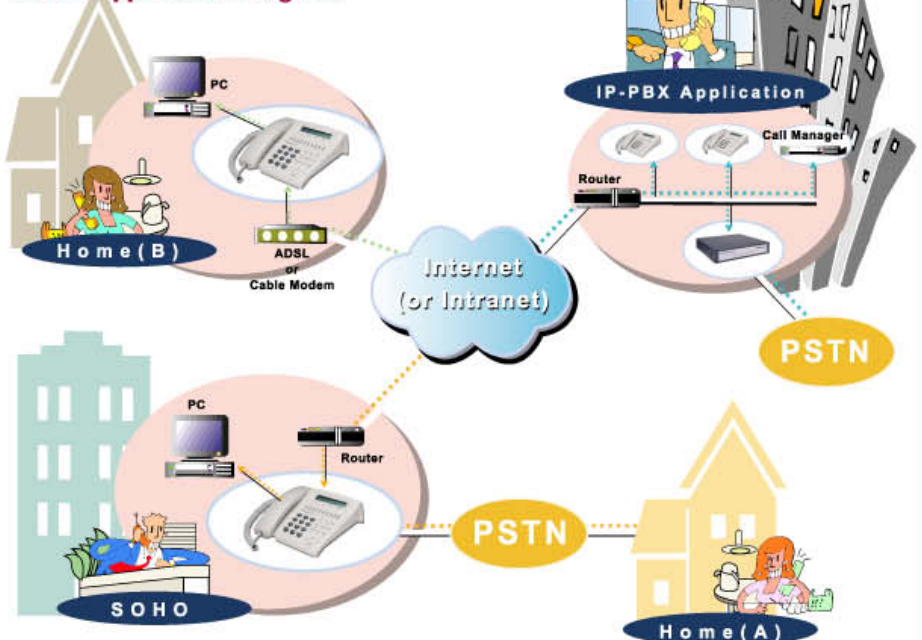
### Environmental

Humidity: 10 to 95 %, Non-condensing  
Operational Temperature : 0 to +50 C  
Storage Temperature : -10 to +70 C

### Certification

- CE

### LP-201 Application Diagram:



### 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

