

## Multifunction IP Phone For VoIP / PSTN / Wireless Network



**IP2020/2021**

- Easy to make VoIP/PSTN Telephone calls
- Speakerphone for Hands-free conferencing
- Large LCD screen Displays support 20(char)x2(line)
- Supports Advance Calling Features Such As Redial, Hold and Transfer.
- Wireless support 802.11g/n(draft) optional!
- H.323 & SIP simultaneously support!
- Register up to 4 SIP or H.323 Server mixable simultaneously!
- Build-in NAT-Firewall, DHCP, Server and client.

## IP telephone 2020/2021

The IP2020/IP2021 serials are next generation VoIP Phone that provides a cost-saving solution for a small business /home users on their telecommunication needs. The IP202 IP Telephone is a full-featured, cost-effective, standard-compliant telephone that can be easily plugged to your home or office network via Ethernet cable.

The IP2020g/n and IP2021g/n both can comply with the IEEE802.11g/n (draft) wireless standard. That enables data to travel as fast as 54/108Mbps.it provides all of the necessary elements to create a robust voice and data network for home or SOHO environments by combining VoIP with network router.

The IP2020/IP2021 incorporates Quality of Service (QoS) function to deliver clear, high-quality voice communication in a variety of network conditions. Also support voice compression, echo cancellation, dynamic latency (jitter) buffers, silence suppression and comfort noise generation.

The IP2020/2021 includes an integrated speakerphone, as well as a LCD screen to display call information, such as the numbers you dial, address book entries, and caller ID numbers. The menu keys make browsing the address book an easy process, while 6 speed dial keys give you an easy dialing. The IP2020/2021 also supports features such as redial, transfer, speaker phone, conference; call waiting, call forwarding, and hold. Using the IP2020/IP2021 gives you the advantages of VoIP/PSTN; Optional wireless ability can give you more powerful connection for different application.

# IP telephone 2020/2021

IP2020/2021



## Connect Port

- 1 x RJ-45 10/100Mbps WAN Ethernet Port
- 1 x RJ-45 10/100Mbps LAN Ethernet Port
- 1x RJ-11 PSTN port (IP2021 serials only)

## LCD Display

- 20(characters)\*2(lines)

## Wireless (optional)

- Complies IEEE 802.11g /n(draft)
- WEP (64/128-bits)
- WPA & WPA2

## Feature keys

- 21 dedicated keys
  - 8 for feature keys
  - 6 for speed dial keys
  - 1 for hands-free speaker phone key
  - 2 for ok/cancel keys
  - 2 for page up/down keys
  - 2 for volume up/down keys

## Voice Processing

- Audio CODEC:
  - G.711 A-law / u-law, (64kbps)
  - G.723.1, (5.3 or 6.3kbps)
  - G.726, (ADPCM 40, 32, 24, 16 kbps)
  - G.729a/G.729, (8kbps)
- Silence suppression and comfort noise
- DTMF In/Out band Relay
- DTMF/ Call progress detection and generation
- Q.931 Fast Start
- Support Caller ID generate and detect
- Support VAD, H.225, H.245, CNG, G.168, Jitter buffer and programmable gain control

## Voice Signaling

- Support SIP & H.323 simultaneous calls
- Support SIP v2 Standard (RFC3261)
  - Outbound Proxy / STUN Server
- Register up to 4 Server simultaneously
- Support multiple dialing plans
- Adaptive Jitter Buffer function
- Flexible Routing table and profile
- Extensible by external IVR/CDR/Billing servers for value-added application

## Management

- Web-Base Firmware Upgrade
- Support Auto-Provision System

## Order Information

- IP2020 :1WAN+1LAN IP-Phone
- IP2020g:1WAN+1LAN+Wireless(802.11g) IP Phone
- IP2020n:1WAN+1LAN+Wireless(802.11 draft n) IP Phone
- IP2021 :1WAN+1LAN+1PSTN IP Phone
- IP2021g:1WAN+1LAN+1PSTN+ Wireless(802.11g) IP Phone
- IP2021g:1WAN+1LAN+1PSTN+ Wireless(802.11 draft n) IP Phone

## Call Handling Features

- Call timer display
- Time and date display
- Call transfer, hold, forward.
- Local three-way conference
- One-touch Speed dial for 6 keys.
- Missed call notification
- Forward call (always/on busy/no answer)
- Last call return, redial.
- Call by IP address via dial pad
- Voice Message (Extensible by external IVR)
- Phone Book directory (50 entries)
- Ring Melody selectable (VoIP/PSTN/Hold)
- Customized Melody (midi format)

## Router Functions

- Support static, dynamic IP from DHCP, PPPoE
- Build-in DHCP Server and client
- Dynamic DNS Support
- Support Network access rules (LAN to WAN & WAN to LAN)
- Self-Protection against DoS Attacks
- Support NAT through function
- VPN client (PPTP, L2TP)
- VPN pass-through (IPSec, PPTP)
- Supported Protocol: UDP, TCP, NAT, BOOTP, HTTP, IEEE 802.3/ IEEE 802.3u
- Support SNTP, DNS, uPnP, DDNS
- NAT function: Virtual Server, Port mapping, ALG, DMZ, Static routing table
- Firewall function: Client filtering, URL filtering, MAC control, Drop Port scans
- Support QoS (TOS) for VoIP

## Specification

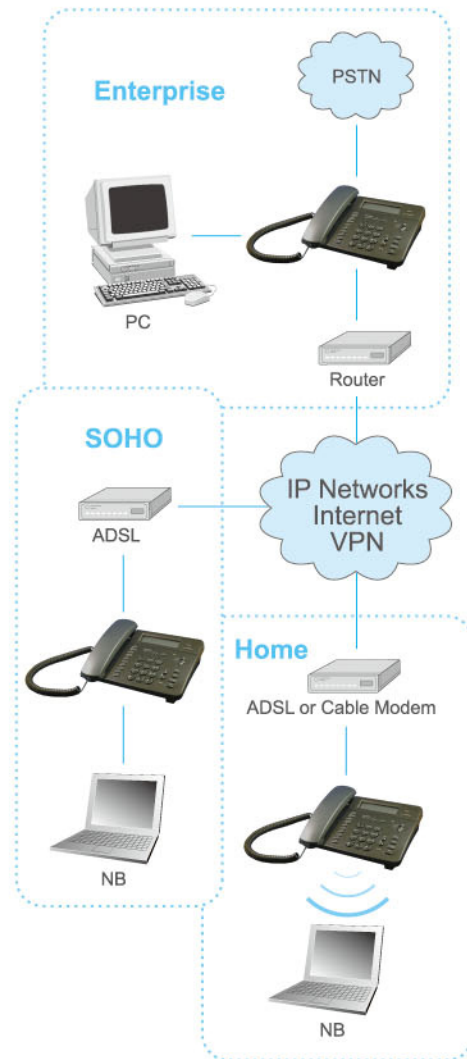
- LED Indicators: Ready, Call Forward, MSG, IN USE
- Power: AC100V-240V, DC 9V/1.3A (Max)
- Temperature: 0°C to 45°C (Operation), -10°C to 55°C (Storage)
- Humidity: up to 90% non-condensing
- Dimension: 215 x 160 x 55 mm (W/D/H)
- Weight: 615g

## Emissions

- CE/FCC Mark

## Warranty

- One Year Limited Warranty



全穎科技股份有限公司 ALLWIN TECH. CO., LTD.

台灣省台北縣三重市興德路111-7號11樓

11F, NO. 111-7, Hsing De Rd., San Chung City, Taipei Hsien, Taiwan.

TEL: 886-2-85123390 FAX:886-2-85123391

Email: sales@allwin.com.tw

http://www.allwin.com.tw

AllWinTech