

## PH802 Datasheet



An award-winning next generation IP phone supporting SIP/IAX2 and online status display. Featuring for VPN, VLAN, superb sound quality and rich functionalities at ultra-affordable price, it is a special phone for IP PBX, can display presence status.

### Support Protocol:

- ◆ SIP (RFC3261, RFC2543)
- ◆ Support IAX2.
- ◆ Support codec: G.711A/u, G.723 high/low, G.729 A/B
- ◆ Support G.168 echo cancellation standard, compliant 96ms echo cancellation with speaker mode
- ◆ Support voice volume adjustment, including IN/OUT of handset and speaker
- ◆ Support Jitter Buffer, VAD, CNG, SIP, Domain name register, point-to-point Call
- ◆ Support RTP and RTCP

- ◆ Support the Inbound/Outbound transmission; SIP info, DTMF Relay, RFC2833
- ◆ Support many countries' standard ring
- ◆ Support NAT: Support STUN, CITRON, AVS Mode
- ◆ Support SIP domain, SIP Authentication (none, basic, MD5), Domain Name parse
- ◆ Support two SIP server synchronously, including Public Server/ Private server, can make a call by any proxy. You can back-up and select any above SIP server.
- ◆ Support SIP application, including SIP Call forward/transfer/holding/conference/pickup/redial/unredial/joincall
- ◆ Support BLF, server presence and Peer to peer presence negotiation
- ◆ Support VPN (L2TP) clients and open VPN

## Network Features:

- ◆ Support two models: Bridge and Router, integrate two ports router function.
- ◆ Support basic NAT and NAPT
- ◆ Support PPPoE for xDSL, and support auto redial when disconnect
- ◆ Support DHCP Client for WAN
- ◆ Support DHCP server for LAN
- ◆ Support DNS relay for LAN and provide DNS service for LAN Network equipment
- ◆ Support DNS domain name resolution in WAN port
- ◆ Support SNTP Client to get time from internet
- ◆ Support advanced DSP tech to ensure high quality voice
- ◆ Support advanced jitter buffer tech to prevent the info package delaying and losing
- ◆ Support network tool: ping, trace route, telnet client
- ◆ Support three modes to configure WAN port IP, they are: static, DHCP, and PPPoE
- ◆ Provide firewall for small LAN
- ◆ Provide optional priority level for small LAN
- ◆ Support second layer QoS (802.1p)
- ◆ Support VLAN
- ◆ Support VPN, L2TP protocol. (New hardware support openVPN)

## Special and Advanced Function:

- ◆ Support 10 group quick dial number, together with IP PBX presence subscribe, the IP phone can display directly the online state of the booking numbers by the indicator. If the indicator is green, means it is online; the indicator is green and twinkle, means it is in the course of the call; if red, means it is offline.
- ◆ Support the local voice message, play the message by one key, IVR personality record the message, voice prompt.
- ◆ Caller ID display, ban calling out, avoid-disturb setting, auto-answering, auto dial while picking up the telephone,

quick dial;

- ◆ Call waiting, call transfer, three ways call, and multi-dial forward
- ◆ Setting the black list and limit numbers
- ◆ Support point to point call
- ◆ Setting the ended number methods
- ◆ Setting the ended number add, delete and substitution
- ◆ Setting the fixed calling ways
- ◆ Support phone number
- ◆ Support Silence Suppression, VAD (Voice Activity Detection)
- ◆ Support CNG (Comfort Noise Generation)
- ◆ Support Echo Suppression and AGC (Automatic Gain Control)
- ◆ Support DIGEST validate and MD5/MD5-sess encapsulation
- ◆ Support local/server Message-Waiting Indication
- ◆ Support auto long-distance configuration and edition auto-upgrade.
- ◆ Support call record checking and management.
- ◆ Support call pickup
- ◆ Support join Call
- ◆ Support redial and unredial
- ◆ Support directly dial IP+port to call SIP terminal device

### Main function list:

Support protocol	SIP(RFC3261/RFC2543),IAX2	Caller ID display	Support
DHCP server/client	Support / support	3-Way Call	Support
NAT	STUN, CITRON, AVS (go through NAT)	Call Forward	Support
		Blind/attend Transfer	support
PoE	Non-Support	Voice Message	support
PPPoE	Support	Call Recording	support
RJ45	2 RJ45 10/100M, support the switch between bridge and route mode	Support Fax	Null
RJ11	NO	DTMF	DTMF transmission. SIP info, In-band, RFC2833
Route/bridge Function	Support /support	Voice Codec	G711A/u,G723high/low,G729A/ B

<b>Support multi-account</b>	Support 2 SIP registrations 1 IAX2 registration	<b>Special Functions</b>	Presence and speed dial, display the different light color according to the online state of memory customers. Firewall, QoS(802.1P Priority, DiffServ),VPN(L2TP),FTP/TFTP remote auto Provisioning
<b>Operation Temperature &amp; Humidity</b>	Temperature: 0-40℃ Humidity:5%-95%	<b>Configure and upgrade</b>	Support configure by Web, keyboard, Telnet; upgrade the firmware and configuration by HTTP, FTP, TFTP
<b>Weight</b>	1KG	<b>Offer Power Supply</b>	America &Europe Standard 100V-240V
<b>Dimension</b>	275mm*225mm*88mm	<b>International Standard Certification</b>	CE/FCC/RoHS
<b>Big Package</b>	10 PCS/carton	<b>Accessory</b>	Manual,RJ45Cable,power supply