

**HD ENTERPRISE**  
HD IP PHONE  
**IP304D**



- 3 SIP Accounts
- HD Voice
- LDAP
- POE
- Wall-mounted

# IP PHONE THE FUTURE



## Physical Feature

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128\*96 graphic LCD  
Ethernet: 2 RJ45 (1 Internet+1 PC)  
Keys: 37 keys including 4 programmable keys  
Handset: 1 RJ9(4P4C)  
Headset: 1 RJ9(4P4C)  
Power adapter: 5V/1.2A  
Power over Ethernet(PoE): IEEE 802.3af

## VoIP Protocol

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SIPv2, SDP(RFC 2327), RTP(RFC 1889,1890), RTCP

## Voice Codecs

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HD wideband codec:  
G.722, HD Codec, HD speaker, HD handset  
Full-duplex speakerphone with AEC  
G.711u/a-law, G.723.1, G.726, G.729A/B,  
DTMF(In-Band, RFC2833, SIP Info)  
Acoustic Echo Cancelation(AEC), Acoustic Gain Control(AGC)  
Voice Activity Detection(VAD), Comfort Noise insertion

## Security

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HTTPS Server/Client  
Transport Layer Security (TLS)  
SRTP (RFC3711), SIPS  
VLAN QoS (802.1pq)

## General Features

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Operating humidity: 10~95%  
Operating temperature: -10~50°C  
Qty/CTN: 10 PCS  
N.W/CTN: 10.04KG  
G.W/CTN: 13.6 KG  
Measurement: 0.071CBM  
Carton Meas: 630MMx500MMx225MM

## Telephone Interfaces

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3 VoIP Accounts  
Menu-driven user interface,  
Screen Sleep  
Call hold, Call waiting, Call forward, Call return,  
Redial,Call transfer  
Caller ID display, DND, Auto-answer, 5-Way Conference  
Mute, Speed dial, SMS, Voicemail, Message Waiting  
Indication (MWI) LED, Call history  
BLF/BLA  
Tone scheme, Volume control  
Ring tone selection/Import/Delete  
Broad and Deep Interoperability  
Soft keys programmable  
Phonebook, Black list XML/LDAP phonebook

## Network Protocol

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TCP, UDP, ICMP, RARP, ARP, DNS, NTP,SNTP, STUN, UPnP,SNMP  
Static/DHCP/PPPoE  
TFTP/DHCP/PPPoE client  
Telnet/HTTP/HTTPS server

## Qos

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Acoustic Echo Cancelation(AEC), Acoustic Gain Control(AGC)  
Voice Activity Detection(VAD), Comfort Noise insertion

## Management

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Auto-provision via FTP/TFTP/HTTP/HTTPS  
Upgrade via Browser/Phone/Auto-provision  
TR069

## Certificates

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CE FCC RoHS...