BROADBAND INTERNET IP PHONE

AFFORDABLE VoIP CALLS
VoIP provides high-quality voice calls all across the globe at a fraction of the cost of traditional telephony

SUPERIOR SOUND QUALITY
CNG, VAD and Dynamic Jitter Buffer provide excellent VoIP sound quality, while the onboard speakerphone with echo cancellation offers clear smooth audio

VERSATILE PHONE FUNCTIONS
Extensive functions including Transfer, Forward and Hold, 3-Way Conference, Speed Dial/Phone Book, and Caller ID

INTERNET PHONE FOR HOME & OFFICE

The DPH-150SE Broadband Internet IP Phone allows you to take advantage of your DSL/cable modem or WAN connection to make cost-effective Internet phone calls. This sleek and versatile phone combines the industry's latest Voice over IP (VoIP) technology with advanced communication features, and is compatible with most standard VoIP services. The DPH-150SE offers the advantages of Internet telephony, while retaining the look and feel of a traditional desktop phone.

SUPERIOR VOICE QUALITY AND EXTENDED FUNCTIONALITY

The DPH-150SE IP phone incorporates Quality of Service (QoS) to ensure that voice calls received through the Internet maintain or surpass the quality of a traditional landline telephone. This IP phone's intuitive interface supports many convenient functions such as call transfer, caller ID display, 3-way conference, and speed dial.

SURF THE INTERNET WHILE MAKING VoIP PHONE CALLS

The DPH-150SE has two Ethernet ports. The first port connects to a DSL/cable modem or broadband router. This port can also connect to a PoE switch and obtain power directly from the network, eliminating the need to connect the IP phone to an AC power outlet. The second Ethernet port can be used for connection to your PC. This feature allows you to use the phone while simultaneously maintaining an Internet connection through an attached computer.

RELIABLE SERVICE AND SECURITY

The DPH-150SE supports Voice VLAN, a technology which isolates your voice communication so it cannot be tapped over the network. The phone also provides priority queues to streamline traffic so that web browsing and file downloads will not interfere with voice traffic or degrade audio quality.

DPH-150SE

TECHNICAL SPECIFICATIONS

WHAT THIS PRODUCT DOES

Connect the DPH-150SE Broadband Internet IP Phone to your DSL/cable modem or router, and make phone calls over the Internet to anywhere in the world. This versatile IP phone offers the advantages of VoIP, while retaining the same look and feel of a traditional advanced desktop telephone. It also provides two Ethernet ports with NAT and DHCP server support, so you can maintain Internet access on your PC even while having a conversation on your IP phone.

CLEAR, SMOOTH VOICE OVER IP

The DPH-150SE allocates network resources to guarantee Quality of Service (QoS). Network bandwidth management ensures smooth and clear voice communication over the Internet, while increasing your productivity and efficiency by tailoring your Internet connection to bandwidth-sensitive VoIP applications.

NOTABLE FEATURES

- Sleek desktop speakerphone with full-feature keypad, phone book, speed-dial, volume control, and ringtone selection
- Connects to Internet through router or directly to DSL/cable modem
- Easy-to-use setup/programming interface
- Large LCD for phonebook and caller ID display
- Secondary Ethernet connection for PC
- IP address assignment using PPPoE, DHCP or static configuration

NETWORK INTERFACE
- LAN: 1 x RJ-45 Ethernet (IEEE 802.3ab/802.3u) (802.3x Full-Duplex operations) (IEEE 802.3af standard PoE)
- PC: 1 x RJ-45 Ethernet Port (IEEE 802.3ab/802.3u) (802.3x Full-Duplex)

SIGNAL, MEDIA & NETWORK PROTOCOLS
- SIP (RFC 3261)
- Pure IPv4/IPv6 Registration, SIP Dual-Stack Registration and its related call redirect
- SDP (RFC 4566)
- RTP (support both IPv4 and IPv6)
- IP assignment: DHCP, Static IP and PPPoE
- STUN, UPnP & static port mapping (for NAT traversal)
- SNTP (RFC 4330)
- DNS/Locating SIP server by RFC3263
- DNS SRV (RFC 2782)
- TFTP/FTP/HTTP for Auto Provision
- Support IPv6 Auto-configuration (RFC 4862)
- IP/TCP/UDP/ARP/ICMP
- IPv6 standard - RFC 2460 (IPv6), RFC 4443 (ICMPv6)

VOICE CODEC
- G.711a/u (64 kbps)
- G.729A/B (8 kbps)
- G.722 (wideband)

CALL FEATURES
- Call Hold Resume
- Call Mute
- Call Transfer (Blind, Attend & Early Attended Transfer)
- Call Forward (Busy, No answer, Unconditional)
- Call Waiting
- Call Waiting Indication (RFC3842)
- Three Way Conferences
- Anonymous Call / Blocking
- Rejection
- Message Waiting Indication
- Do Not Disturb
- Auto Answer (Support SIP Server Required)
- SMS (RFC 3428)

ADVANCED VOICE QUALITY FEATURES
- Silence Suppression
- Acoustic Echo Cancellation (G.168)
- Voice Activation Detection (VAD)
- Comfort Noise Generation
- Jitter Buffer
- DTMF Transmitter (SIP info, Transparent, RTP 2833 relay)
- Packet Lost Concealment (PLC)

KEYPAD
- Directional navigation keys for volume adjustment and function configuration
  - Up/Down (Volume)
  - Left/Right (Cancel/OK)
- Phone Book
- Menu
- MWI
- Mail
- Conference
- Mute/Function
- Transfer
- Redial (Call History)
- Hold (with LED indicator)
- Speaker (with LED indicator)
- Standard 12-button numeric keypad with star and pound

PHONE FEATURES
- Multi-user (4 SIP accounts)
- Caller ID display
- Call History: 60 Missed Calls, 60 Received Calls, 60 Dialed Calls
- Phone book (up to 200 contact names and phone number)
- Day/Time display
- Call timer display
- 9 Selective Ring tones
- 10 Speed dial number
- Incoming call Indicator
- Password control for Configuration
- Pre-dial before sending

SECURITY
- HTTP 1.1 basic/digest authentication for Web setup
- MD5 for SIP authentication (RFC2069/RFC2617)
- AES+SHA256 for Configuration File (for Auto Provision)

USER INTERFACE/NETWORK MANAGEMENT
- LCD/Keypad UI available in English & Chinese
- HTTP/HTTPS (WEB) UI available in English & Chinese
- FTP/TFTP/HTTP for Firmware remote update
- APS auto-provisioning for firmware and profile upgrade
- Emergency upgrade if firmware corrupted

NETWORK CAPABILITY
- QoS: IEEE 802.1Q & IEEE 802.1p QoS
- DiffServ (RFC 2474 DSCP)/ToS
- Full range VLAN ID Support
- Class of Service Support by VLAN Tag

INPUT POWER
- 100~120, 220~240VAC
- AC-DC switching power adapter

OUTPUT POWER
- 5V DC

POWER CONSUMPTION
- Typical: 2 Watt (Standby)
- Max: 3.25 Watt (Talking)

DIMENSIONS
- 196 x 198 x 100 mm

OPERATING TEMPERATURE
- 0° to 40°C

STORAGE TEMPERATURE
- -20° to 60°C

OPERATING HUMIDITY
- 10% to 90% non-condensing

STORAGE HUMIDITY
- 10% to 95% non-condensing

CERTIFICATIONS
- FCC Class B
- CE Class B
- UL/cUL
- CB (IEC 60950-1)
- RoHS certified