



BROADBAND INTERNET IP PHONE

MAKE WORLDWIDE PHONE CALLS

Call virtually anywhere through the Internet. Easy installation and configuration through web-based GUI

SUPERIOR SOUND

Speakerphone IP phone with Echo Cancellation, CNG, VAD and Dynamic Jitter Buffer features for excellent sound quality

COMPLETE PHONE FEATURES

Extensive phone functions: Call Transfer, Forward and Hold, 3-Way Conference, Speed Dial/Phone Book, Caller ID



INTERNET PHONE MADE FOR HOME & OFFICE

The DPH-150SE Broadband Internet IP Phone allows you to take advantage of your DSL/cable modem connection to make inexpensive Internet phone calls. It combines the industry's latest Voice over the IP network (VoIP) technology with advanced communication features, and is compatible with industry-wide phone services. This sleek designed IP phone gives you the advantages of VoIP, while retaining the same look and feel of a traditional desktop telephone.

SUPERIOR VOICE QUALITY

The DPH-150SE IP phone incorporates Quality of Service (QoS) to ensure that voice received through the Internet is the same as or even surpasses that received on the ordinary phone. It supports many useful functions such as call transfer, caller ID display, 3-way conference and speed dialing to make it convenient to dial out or answer phone calls.

SURF INTERNET WHILE MAKING INTERNET PHONE CALLS

The DPH-150SE comes with two Ethernet ports, one to connect to a DSL or cable modem, or to your broadband router. In an office environment equipped, this port can also connect to a PoE switch and obtain power directly from the network, dispensing you of the need to hook the IP phone to an AC power outlet. Once connected and logged onto the Internet, you are ready to make and receive calls. In addition, this IP phone provides another Ethernet port for connection to your PC, so you can talk on the IP telephone while browsing web sites, send e-mail, transfer files and do other network tasks on your PC.

QUALITY OF SERVICE AND SECURITY

The DPH-150SE supports voice VLAN to isolate your voice communication so it cannot be tapped over the network. It provides priority queues to streamline traffic so web browsing and Internet download will not interfere with voice traffic and degrade Internet phone quality.

WHAT THIS PRODUCT DOES

Connect the DPH-150SE Broadband Internet IP Phone to your DSL/cable modem or router, and you can make phone calls anywhere in the world using the Internet. This IP phone gives you 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 log your PC onto the Internet and surf the web while talking over your Internet phone.

CLEAR, SMOOTH VOICE OVER THE INTERNET

This IP Phone allocates network resources while guaranteeing Quality of Service (QoS). Network bandwidth management delivers smooth and clear voice communication over the Internet, while increasing your productivity and efficiency by tailoring your Internet connection to time-sensitive VoIP applications.

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

NETWORK INTERFACE

- + One RJ-45 10/100BASE-TX Ethernet port, one RJ-45 10/100BASE-TX Ethernet port with 803.2af Power over Ethernet
- + One RJ-45 port can connect to DSL/cable modem, remote router or Ethernet/Gigabit switch, the other RJ-45 port can connect to a PC

SIGNAL, MEDIA & NETWORK PROTOCOLS

- + SIP RFC 3261
- + SDP RFC 3266
- + RTP RFC 1889
- + IP assignment: DHCP, Static IP and PPPoE
- + STUN, UPnP & static port mapping (for NAT traversal)
- + SNTP
- + DNS & DNS SRV
- + TFTP/FTP/HTTP for Auto Provision
- + IP/TCP/UDP/ARP/ICMP

VOICE CODEC

- + G.711a/u (64 kbps)
- + G.729A/B (8kbp)
- + G.723.1 (*Optional)

ADVANCED VOICE QUALITY FEATURES

- + Silence Suppression
- + Acoustic Echo Cancellation (G.167)
- + Voice Activation Detection (VAD)
- + Comfort Noise Generation
- + Jitter Buffer
- + DTMF Transmitter (SIP info, Transparent, RTC 2833 relay)
- + Packet Lost Concealment (PLC)

KEYPAD

- + Menu
- + Phone Book
- + 4 Navigator Keys for navigating in configuration; volume adjustment of Ringer, Speaker phone & Handset; OK & Cancel
- + MWI
- + Conference
- + Mute
- + Function (stay with Mute; integrated with numeric keys for configuration and information)
- + Transfer
- + Redial (Redial and the entry to access call history)
- + Hold
- + Speaker

TECHNICAL SPECIFICATIONS

- + 12 numeric keys with star & pound key
- + 12 programmable keys for Line, One-Touch Dial, Park & DSS/BLF
- + Fixed functional keys: 9
- + Navigator keys: 4
- + Programmable keys: 12

CALL FEATURES

- + Call Forward (Busy, No answer, Unconditional)
- + Call Waiting
- + DND (under three situations: unconditional, busy, no answer)
- + Three Way Conferences

LCD

- + LCD size: 13 characters x 2 lines
- + Black/White

LEDs

- + Status
- + Speaker
- + Hold

SPEAKER PHONE

- Built-in Speaker

REMOTE FIRMWARE UPGRADE

- FTP or TFTP (Trivial File Transfer Protocol) Via Ethernet

USER INTERFACE/NETWORK MANAGEMENT

- + LCD/Keypad UI in English & Russian versions
- + HTTP (Web) UI in English version

QoS

- + 802.1P Priority Queues
- + DiffServ (DSCP)

SECURITY/ CLASS OF SERVICE

- + 802.1Q VLAN Tag
- + Full range VLAN ID Support

PHONE FEATURES

- + Multi-user (4 SIP accounts)
- + Caller ID display
- + Call History: 20 Missed Calls, 20 Received Calls, 20 Dialed Calls
- + Phone book (up to 200 contact names and phone number)
- + Day/Time display
- + Call timer display
- + 9 Selective Ring tones (4 tones, 4

- melodies & one mp3)
- + 10 Speed dial number
- + Incoming call Indicator
- + Password control for Configuration
- + Pre-dial before sending
- + Hot Line
- + Multi-Line
- + Internet Radio
- + MP3 Ringer

INPUT POWER

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

OUTPUT POWER

- 9V DC

POWER CONSUMPTION

- Typical: 2.8 Watt (Standby)
- Max: 3.0 Watt (Talking)

DIMENSIONS

- 200 x 220 x 100 mm

OPERATING TEMPERATURE

- 0° to 40°C

STORAGE TEMPERATURE

- 20° to 60° C

OPERATING HUMIDITY

- 20% to 80% non-condensing

STORAGE HUMIDITY

- 15% to 85% non-condensing

CERTIFICATIONS

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



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