

# IP860G

Enterprise IP Phone with dual-color LCD and a number of great features



**101 VOICE**  
RELIABLE BUSINESS COMMUNICATIONS



24  
PFK



Gigabit

HD + EHS



4 Lines



## Key Features

### 24 Programmable Function Keys (PFK)

Who wants to look up and dial extensions to transfer calls anymore? Here's a better idea - do it with the press of a button.

### Gigabit Ethernet

Gigabit ethernet gives you more bandwidth, which means better performance, less congestion, and most importantly, less frustration.

### HD Headphone/ EHS

HD quality audio and EHS support help you get more done in less time. With EHS, there is no need to install handset lifter anymore. Hands-free mode frees up both your hands to finish those emails, or get that contract sent out.

### 4 SIP Lines

Higher call volume than normal? No problem. It's got 4 lines to easily handle it.

## Overview

The IP860G is a high-end enterprise desk phone perfect for everyday use in offices or cubicles, with an intelligent Programmable Function Key-mapping LCD (PFK) which increases enterprise users' productivity at a cost-effective price.

With a color LCD display and 6 LCD PFKs, this sleek phone is both easy to use and functional. The PFKs eliminate the need for adding paper to expansion modules and provide 24 keys for receptionist use.

Two Gigabit ethernet ports give you more bandwidth, which means better performance and faster connection speed. With HD voice quality and speakerphone capability, you get great call clarity whether you're using handset, headset or hands-free mode including EHS.

# Features and Specifications

## Highlights

- 4 SIP Lines
- HD Voice
- PoE Enabled
- 2 color LCDs (Main + PFK)
- Handset (HS)/Hands-free(HF) / Headphone (HP) mode(EHS support for Plantronics headsets)
- Programmable Function Keys (PFK)
- Desktop/Wall-mount installation
- Optional External Power Supply
- Economical and Environmental friendly - package
- Industrial Standard Certifications: CE/FCC

## Call Features

- Call out/answer/reject
- Mute/Unmute (microphone)
- Call Hold/Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Anonymous Call (Hide Caller ID)
- Call Forwarding (Always/Busy/No-Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (depending on-server)
- Redial/Auto-Redial
- Do-Not-Disturb (per line/per phone)
- Auto-Answering (per line)
- Voice Message (on server)
- Local 3-way Conference
- Hot Line
- Hot-Desking

## Phone Features

- Phonebook (500 entries)
- Remote Phonebook (XML/LDAP)
- Call log (630 entries, in/out/missed)
- Black/White List Call Filtering
- Voice Message Waiting Indication (VMWI)
- Programmable Function Keys
- Network Time Synchronization
- Action URL/Active URI
- Wideband ADC/DAC 16KHz Sampling
- HD Voice Microphone/Speaker (Handset/ Hands-free, 0 ~ 7KHz Frequency Response)
- Electronic Hookswitch (EHS) Support

- Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB
- Wideband CODEC: G.722
- Full-Duplex Acoustic Echo Canceller (AEC) -- Hands-Free Mode, 96ms tail-length
- Voice Activity Detection (VAD)/ Comfort Noise Generation (CNG)/ Background Noise Estimation (BNE)/Noise Reduction (NR)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-Band, Out-of-Band - DTMF - Relay (RFC2833)/SIP INFO
- QR Code (Access to portal by scanning)

## Networking

- Physical: 10/100/1000Mbps Ethernet, dual bridged port for PC bypass
- IP Configuration: Static/DHCP/ PPPoE
- Network Access Control: 802.1x
- VPN: L2TP (Basic Unencrypted)/ OpenVPN
- VLAN
- QoS

## Protocols

- RTP/RTCP/SRTP
- STUN
- DHCP
- PPPoE
- 802.1x
- L2TP (Basic Unencrypted)
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR069
- SIP 2.0 over UDP/TCP/TLS
- LLDP

## RFCs

- 354/1321/1350/1769/1889/1890/2131/ 2132/2616/2617/2661/2833/2976/3261/ 3262/3263/3264/3265/3268/3311/ 3489/3711/4346/4566/5630/5865

## Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export/Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

## Physical Specifications

- Main LCD: 2.8inch (320x240) color-screen LCD
- PFK Key-mapping LCD: 2.5inch color-screen LCD
- Keypad: 38 keys, including 4 Soft-keys 6 Function keys 4+1 Navigation keys + OK 12 Standard Phone Digits keys 3 Volume Control keys, Up/Down/ Mute (Microphone) 1 Hands-free key 6 PFKs with tri-color LED 1 Page-Jump/Configuration (PJC) key
- HD Hands-free Speaker (0 ~ 7KHz)
- HD Hands-free Microphone (0 ~ 7KHz)
- HD Handset (RJ9)
- Standard RJ9 Handset Wire
- 1.5M CAT5 Ethernet Cable
- RJ9 Phone Jack (2): Handset, Headphone
- RJ45 Ethernet Jack (2): Network (802.3AF PoE Class 2 Enabled), PC (Bridged to Network)
- Main Chipset: Broadcom
- PoE: Class 2
- DC Power Input: 5V/1A
- Power Consumption: Idle - 1.8~ 2.5W, Peak - 3~4.5W 2.5/4.5 are PoE mode's max power consumption
- Working Temperature: 0 ~ 40°C
- Working Humidity: 10 ~ 65%
- Dual-Functional Back Rack x1: Desktop Stand/Wall-mount
- Color: Black
- Package Dimensions: 285 x 270 x 65mm (W x H x L)

## Optional Accessories

- EHS Cable : APD-80
- Compatible Wireless Headset : Plantronics CS500 series (CS510, CS520, CS530, CS540, CS545), Savi W700 series (W710, W720, W730, W740, W745) and Voyager Legend CS