

AudioCodes 400HD IP Phone Series

The AudioCodes 400HD series of IP phones includes a range of easy-to-use, feature-rich products for the service provider hosted services, enterprise IP telephony and contact center markets. Based on the same advanced, field-proven underlying technology as our other VoIP products, AudioCodes high quality IP phones enable systems integrators and end-customers to build end-to-end VoIP solutions.



Powerful Set of Common Features

- High-definition voice quality
- High-definition voice quality
- Multiple language support
- AudioCodes Auto-provisioning
- Power over Ethernet (PoE)
- Integration with voice quality monitoring
- Full SIP protocol support with extensive interoperability
- Out of the box global redirection sever support
- Full duplex speakerphone and headset connectivity

Unified Communications

AudioCodes provides diverse solutions tailored for the Unified Communications (UC) market. AudioCodes' offering for UC includes media gateways, E-SBCs, call recording solutions, mobility and IP phones which, in addition to high quality voice calls, also support presence features.

Enterprise IP Telephony

AudioCodes IP phones offer reliable, high quality communications for users of on-premises, open source and hosted IP-PBXs. Their wide range of essential business features, reliability and proven interoperability makes them the perfect choice for any SIP-based environment, from SOHO up to large enterprises.

IP Contact Centers

AudioCodes' IP phones provide the perfect solution for IP contact center agents. Combining excellent voice quality for contact center agents, with a compact and robust enclosure design and headset integration, AudioCodes' IP Phones offer several essential features required in the growing contact center market including fully certified VoIP interoperability with leading contact center solution providers.



440HD IP Phone

The 440HD IP Phone is a high-end, executive IP phone. The 440HD includes a dedicated LCD displaying contacts and their presence.

- Full duplex speakerphone and headset connectivity
- 6 lines, 2 concurrent calls per line
- Graphic multi-lingual LCD (132 X 64)
- 6 multi-function keys
- 4 programmable soft keys
- 12 programmable speed dial keys with presence monitoring (BLF)
- Dedicated LCD (376 X 60) for contacts display
- GbE Support
- USB headset support
- PoE or external power supply



430HD IP Phone

The 430HD IP Phone is an advanced, mid-range enterprise IP phone built for ease-of-use and convenience.

- Full duplex speakerphone and headset connectivity
- 6 lines, 2 concurrent calls per line
- Graphic multi-lingual LCD (132 X 64)
- 6 multi-function keys
- 12 programmable speed dial keys with presence monitoring (BLF)
- 4 programmable soft keys
- Optional GbE Support
- USB headset support
- PoE or external power supply



420HD IP Phone

The 420HD IP Phone is a cost-effective, feature-rich enterprise IP phone extremely suitable for demanding deployments.

- Full duplex speakerphone and headset connectivity
- 2 lines, 2 concurrent calls per line
- Graphic multi-lingual LCD (128 X 48)
- 4 programmable soft keys
- Optional GbE Support
- PoE or external power supply

AudioCodes 400HD IP Phone Series Specification

TELEPHONY FEATURES

SUPPLEMENTARY FEATURES

- Call Waiting
- Call Hold
- Call Transfer
- Call Forward
- 3-Way Conference (local mix) and network conferencing
- Hot Line
- DND
- Mute
- Speed Dial
- Dial Plan
- CWRR
- Call Logs
- Auto Answer via TALK event
- Call Pickup

SIGNALING

- Caller ID
- MWI
- DTMF Relay – RFC2833
- DTMF via SIP INFO
- Configurable Call Progress Tones

VOIP APPLICATIONS

- Unified Communications
- IP Contact Centers
- Open-source IP-PBX
- Hosted IP-PBX and IP Centrex

ENHANCED VOIP PROCESSING CAPABILITIES

- Packet loss concealment
- High quality wideband
- Wideband acoustic echo canceler
- Low-delay adaptive jitter buffers

MEDIA PROCESSING

WIDEBAND VOICE CODERS

- G.722
- G.722.2*
- OPUS*

NARROWBAND VOICE CODERS

- G.711 μ /a
- G.729A/B

- G.723.1
- OPUS*

ADDITIONAL MEDIA FEATURES

- Acoustic echo cancelation (AEC)-multiple path
- wideband acoustic EC
- Packet Loss Concealment
- Silence Suppression
- Voice Activation Detection
- Adaptive Jitter Buffer

PROTOCOL SUPPORT

VOIP AND SIGNALING

- SIP – RFC 3261
- SDP – RFC 2327
- SIP over TCP/UDP/TLS
- DNS_SRV (Redundancy)
- Digest authentication
- PRACK
- Early Media
- SIP Subscribe notify
- BLF (busy lamp field)
- Presence
- MWI (message waiting indication)

DATA PROTOCOLS

- IPv4 Assignment
- TCP
- UDP
- ICMP
- ARP
- RTP
- SRTP
- RTCP-XR
- 802.1x Configuration
- Static IP/DHCP IP
- IEEE 802.1p/Q
- QoS/ToS
- HTTP/HTTPS/DHCP
- NTP
- FTP/TFTP
- CDP/LLDP VLAN
- LDAP

SECURITY

- 802.1x
- HTTPS
- SIP over TLS and SRTP
- Configuration file encryption
- PC port disable option

PROVISIONING & MANAGEMENT

- Web Server for Configuration and Management

- Configuration update via FTP
- TFTP
- HTTP
- HTTPS
- DHCP Options (66,67,160,12,60,77)
- Mass Deployment Provisioning with Global redirection server
- Provision URL via SIP SUBSCRIBE and NOTIFY

GENERAL SPECIFICATIONS

LANGUAGE SUPPORT

- English (default)
- Spanish
- Italian
- Portuguese
- German
- Russian
- Ukrainian
- Polish
- French
- Hebrew

TELEPHONY INTERFACE

- RJ-9 Headset Jack X 1
- USB port for headset1
- DHSg1

NETWORK INTERFACE

- 2 LAN RJ-45 10/100/1000 Base-T for PC and LAN connectivity2

POWER REQUIREMENTS

- +12V DC
- 1A Power adapter AC 100V-240V and/ or Integrated Power over Ethernet- IEEE 802.3af (see price list for ordering options)

STORAGE/OPERATION

TEMPERATURE

- -20° to +70°C / 0° to +40°C (-4 to +158°F / 32 to +104°F)

AudioCodes 400HD IP Phone Series Physical Specifications³

	440HD IP Phone	430HD IP Phone	420HD IP Phone
Unit Dimension (HxWxD)	250 x 168 x 163 mm (9.84 x 6.61 x 6.42 in.)	250 x 168 x 163 mm (9.84 x 6.61 x 6.42 in.)	188 x 157 x 163 mm (7.40 x 6.18 x 6.41 in.)
Unit Weight	1.05Kg (2.31 lb)	1.00Kg (2.20 lb)	0.82Kg (1.81 lb)
Unit Box Dimension (HxWxD)	316 x 255 x 95 mm (9.84 x 6.61 x 6.42 in.)	316 x 255 x 95 mm (9.84 x 6.61 x 6.42 in.)	262 x 236 x 95 mm (7.40 x 6.18 x 6.41 in.)
Unit Box Weight	1.49Kg (3.28 lb)	1.44Kg (3.17 lb)	1.2Kg (2.65 lb)
Master Carton Dimension (HxWxD)	530 x 495 x 340 mm (20.87 x 19.49 x 13.39 in.)	530 x 495 x 340 mm (20.87 x 19.49 x 13.39 in.)	540 x 495 x 260 mm (7.40 x 6.18 x 6.41 in.)
Master Carton Weight	15.8Kg (34.83 lb)	15.73Kg (33.73 lb)	

¹430HD and 440HD models.

²GbE support is optional on the 420/430HD, supported by default on the 440HD.

³The weights do not include an external Power Supply.

*Contact DOTVOX for availability.

Visit [DOTVOX.com](https://www.dotvox.com) for more information.