

## Technical Specifications for the 400HD Series

Telephony Features	
<b>Supplementary Features</b>	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
<b>Signaling</b>	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	
<b>Wideband Voice Coders</b>	G.722, G.722.2*, OPUS*
<b>Narrowband Voice Coders</b>	G.711µ/a, G.729A/B, G.723.1, OPUS*
<b>Additional Media Features</b>	Acoustic echo cancellation (AEC)- multiple path, wideband acoustic EC, Packet Loss Concealment, Silence Suppression, Voice Activation Detection, Adaptive Jitter Buffer
Protocol Support	
<b>VoIP and Signaling</b>	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)
<b>Data Protocols</b>	IPv4, TCP, UDP, ICMP, ARP, RTP, SRTP, RTCP-XR, 802.1x, Static IP/DHCP IP Assignment, IEEE 802.1p/Q, QoS/ToS, HTTP/HTTPS/DHCP, NTP, FTP/TFTP, CDP/LLDP VLAN Configuration, LDAP
<b>Security</b>	802.1x, HTTPS, SIP over TLS and SRTP, Configuration file encryption, PC port disable option
<b>Provisioning &amp; Management</b>	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 TR-069 and TR-104 (client), Provision URL via SIP SUBSCRIBE and NOTIFY
General Specifications	
<b>Language support</b>	English (default), Spanish, Italian, Portuguese, German, Russian, Ukrainian, Polish, French, Hebrew
<b>Telephony Interface</b>	RJ-9 Headset Jack X 1, USB port for headset <sup>1</sup> , DHSG <sup>1</sup>
<b>Network Interface</b>	2 LAN RJ-45 10/100/1000 Base-T for PC and LAN connectivity <sup>2</sup>
<b>Power Requirements</b>	+12V DC, 1A Power adapter AC 100V-240V and/or Integrated Power over Ethernet- IEEE 802.3af (see price list for ordering options)
<b>Storage/Operation Temperature</b>	-20° to +70°C / 0° to +40°C (-4 to +158°F / 32 to +104°F)
<b>Approvals, Safety and Country Certifications</b>	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, UL-60950-1, EN60950-1, IEC-60950-1 (CB), CE mark, cTUVus, Australia A-Tick, AS/NZS60950-1 and AS/ASIF S004, Brazil Anatel, Japan VCCI Class B

## Physical Specifications<sup>3</sup>

	440HD	430HD	420HD	405
<b>Unit Dimension (HxWxD)</b>	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.)	191 x 180 x 153 mm (7.52 x 7.09 x 6.02 in.)
<b>Unit Weight</b>	1.05Kg (2.31 lb)	1.00Kg (2.20 lb)	0.82Kg (1.81 lb)	0.68Kg (1.5 lb)
<b>Unit Box Dimension (HxWxD)</b>	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.)	210 x 200 x 100 mm (8.27 x 7.87 x 3.94 in.)
<b>Unit Box Weight</b>	1.49Kg (3.28 lb)	1.44Kg (3.17 lb)	1.2Kg (2.65 lb)	0.9Kg (1.98 lb)
<b>Master Carton Dimension (HxWxD)</b>	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.)	495 x 395 x 237 mm (19.49 x 15.55 x 9.33 in.)
<b>Master Carton Weight</b>	15.8Kg (34.83 lb)	15.73Kg (33.73 lb)		10.1kg (22.27 lb)

<sup>1</sup> 430HD and 440HD models.  
<sup>2</sup> GbE support is optional on the 420/430HD, supported by default on the 440HD, not supported on 405.  
<sup>3</sup> The weights do not include an external Power Supply.  
 \* Contact AudioCodes for availability.



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.



440HD IP Phone



430HD IP Phone



420HD IP Phone



405 IP Phone

## Powerful Set of Common Features

- High-definition voice quality
- Robust security mechanisms
- 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.



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## 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



## 420HD IP Phone



The 420HD IP Phone is a cost-effective, feature-rich enterprise IP phone. Its flexibility and robust design make it extremely suitable for demanding enterprise and contact center 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



## 430HD IP Phone



The 430HD IP Phone is an advanced, mid-range enterprise IP phone. Built for ease-of-use and convenience, the 430HD boasts a large LCD and 12 programmable speed dial keys.

- 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



## 405 IP Phone



The 405 IP Phone is a low-cost, entry-level IP phone designed to offer the essential everyday features that the modern business environment demands.

- Full duplex speakerphone and headset connectivity
- 2 lines, 2 concurrent calls per line
- Graphical, backlit multi-lingual LCD (132 X 64)
- 4 programmable soft keys
- PoE or external power supply

