Technical Specifications for the 400HD Series

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, 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 Co	enters, 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.711μ/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 r BLF (busy lamp field), Presence, MWI (message waiting indication)		
Data Protocols	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		
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, 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 connectivity ²		
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)		
Approvals, Safety and Country Certifications	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 ³	440HD	430HD	420HD	405
Unit Dimension (WxDxH)	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.)
Unit Weight	1.05Kg (2.31 lb)	1.00Kg (2.20 lb)	0.82Kg (1.81 lb)	0.68Kg (1.5 lb)
Unit Box Dimension (WxDxH)	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.)
Unit Box Weight	1.49Kg (3.28 lb)	1.44Kg (3.17 lb)	1.2Kg (2.65 lb)	0.9Kg (1.98 lb)
Master Carton Dimension (WxDxH)	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.)
Master Carton Weight	15.8Kg (34.83 lb)	15.73Kg (33.73 lb)		10.1kg (22.27 lb)

¹ 430HD and 440HD models



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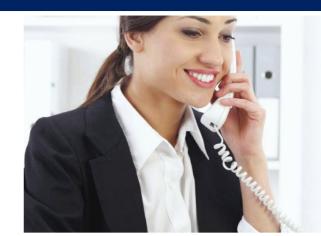
AudioCodes Inc. 27 World's Fair Drive,

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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



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.





² GbE support is optional on the 420/430HD, supported by default on the 440HD, not supported on 405.

³ The weights do not include an external Power Supply

^{*} Contact AudioCodes for availability.

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

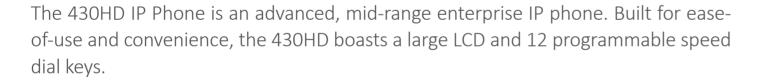


430HD IP Phone









- 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. 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



405 IP Phone



The 405 IP Phone is a cost-effective, 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

