AudioCodes 400HD Series

High Definition IP Phones

The AudioCodes 400HD series of IP Phones is an important addition to our VoIP product offering 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 Definition IP Phones enable systems integrators and end-customers to build end-to-end VoIP solutions.

AudioCodes IP Phones are suited for a variety of VoIP applications such as:

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

The 420HD 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.

- 2 line, 2 concurrent calls per line
- Graphic multi-lingual LCD display (128 X 48)
- 4 programmable soft keys

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

- 6 line, 2 concurrent calls per line
- Graphic multi-lingual LCD display (132 X 64)
- 6 multi-function keys
- 12 programmable speed dial keys with presence monitoring
- 4 programmable soft keys
- Optional GbE Support
- USB headset support

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

- 6 line, 2 concurrent calls per line
- Graphic multi-lingual LCD display (132 X 64)
- 6 multi-function keys
- 4 programmable soft keys
- 12 programmable speed dial keys with
- Presence monitoring on a dedicated LCD display (376 X 60)
- GbE Support
- USB headset support

Powerful Set of Common Features

- High-definition voice quality
- Robust security mechanisms
- Multiple language support

- AudioCodes QuickConnect 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

AudioCodes

HD VoIP
Sounds Better

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.

IP Contact Centers

AudioCodes' HD 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.

Enterprise IP Telephony

AudioCodes HD 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.

AudioCodes IP Phones Enhanced VoIP Processing Capabilities:

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

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, 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

Media Processing	
Wideband Voice Coders	G.722, G.722.2*
Narrowband Voice Coders	G.711µ/a, G.729A/B, G.723.1
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, 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, 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	
Language support	English (default), Spanish, Italian, Portuguese, German Russian, Ukrainian, Polish, French, Hebrew
Telephony Interface	RJ-9 Headset Jack X 1, USB port for headset[1], DHSG[1]
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
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	420HD	430HD	440HD
Dimensions (HxWxD mm)	65X188X163	249X189X59	249X189X59
Weight	1.3Kg[3]	1.54Kg[3]	1.56Kg[3]

[1] 430HD and 440HD models.
[2] GbE support is optional on the 430HD and supported by default on the 440HD.
[3] The unit box weight including an external Power Supply.
* Contact AudioCodes for availability.

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