

ABOUT AUDIOCODES

AudioCodes Ltd. (NasdaqGS: AUDC) designs, develops and sells advanced Voice over IP (VoIP) and converged VoIP and Data networking products and applications to Service Providers and Enterprises. AudioCodes is a VoIP technology leader focused on VoIP communications, applications and networking elements, and its products are deployed globally in Broadband, Mobile, Cable, and Enterprise networks. The company provides a range of innovative, cost-effective products including Media Gateways, Multi-Service Business Gateways, Residential Gateways, IP Phones, Media Servers, Session Border Controllers (SBC), Security Gateways and Value Added Applications. AudioCodes underlying technology, VolPerfectHD™, relies primarily on AudioCodes leadership in DSP, voice coding and voice processing technologies. AudioCodes High Definition (HD) VoIP technologies and products provide enhanced intelligibility, and a better end user communication experience in emerging Voice networks.

International Headquarters

1 Hayarden Street,
Airport City
Lod 70151, Israel
Tel: +972-3-976-4000
Fax: +972-3-976-4040

AudioCodes Inc.

27 World's Fair Drive,
Somerset, NJ 08873
Tel: +1-732-469-0880
Fax: +1-732-496-2298

Contact us: www.audiocodes.com/info

Website: www.audiocodes.com/ipphones

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HDVoIP
Sounds Better

AudioCodes
Connecting Networks

AUDIOCODES 300HD SERIES

High Definition IP Phones



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HDVoIP
Sounds Better

AudioCodes 300HD

Series of High Definition IP Phones

AudioCodes **300HD Series** of High Definition IP Phones offers a new dimension of voice call quality and clarity for the IP Telephony market. This new series of IP Phones further expands AudioCodes' VoIP product offering for the Enterprise and Service Provider markets. As a natural addition to the AudioCodes' Media Gateway, Media Server & Multi-Service Business Gateway products, the AudioCodes 300HD Series of High Definition IP Phones enable Systems Integrators and end-customers to build end-to-end solutions that rely on AudioCodes' technological advantage and proven track record in providing state-of-the-art, high quality, and interoperable VoIP products.

The AudioCodes 300HD Series of High Definition IP Phones meet a growing demand for High Definition VoIP solutions in end-user phones and terminals, improving the productivity and efficiency of business communications with new quality standards set by the High Definition voice technology.

Complete Range of Phones

The AudioCodes 300HD Series of High Definition IP Phones offers three phone models, which are well suited to the requirements of different types of business users. The 310HD is the 1-line entry level IP Phone and includes a basic display and user interface. The 320HD 4-line premium model includes a large Monochrome LCD screen. The 350HD 6-line executive model has a Color LCD screen. All models support **HDVoIP**. Power over Ethernet is optional on all models.

Cutting Edge Voice Quality

Based on AudioCodes' advanced, robust and field-proven VoIPerfectHD™ software, AudioCodes' IP Phones are designed to utilize the most popular wideband coders such as G.722, G.722.2 (WB-AMR), G.729.1, and G.711.1. Each of these phones feature enhanced proprietary capabilities, such as packet loss concealment, high quality wideband acoustic echo canceler, and low-delay adaptive jitter buffers to enrich the **HDVoIP** experience.

Interoperability

The AudioCodes 300HD Series of High Definition IP Phones is widely interoperable with IP-PBXs, Softswitches and IP Centrex solutions. As Enterprises and Service Providers continue to seek open network architectures that enable them to maximize value and reduce costs, AudioCodes' best-of-breed technology, wide interoperability, and adherence to standards make the 300HD Series of High Definition IP Phones a natural selection.

HD VoIP

HDVoIP refers to the use of wideband technology, providing deeper clarity and a better audio experience in VoIP Communications. The traditional Public Switch Telephony Network (PSTN) is limited to 300-3400 Hz for narrowband voice. Voice signals are sampled at a rate of 8 kHz, causing limitations in communication quality and comprehension. In HD VoIP, wideband telephony refers to transmitting voice signals with bandwidths ranging between 50-7000 Hz and a sampling rate of 16 kHz. This effectively doubles the narrowband voice signal bandwidth and offers the caller "true voice" conversation. Compared to narrowband telephony, wideband technology establishes a sense of presence, resulting in a natural and comfortable conversation.

Feature / Model	310HD 	320HD 	350HD 
<i>Key Features</i>	1-line IP Phone 2x16 Character LCD Display with backlight	4-line IP Phone with Indicators 132x64 Graphic LCD Display	6-line IP Phone with Indicators 480x272 Color TFT LCD Display
<i>Telephone Keys</i>	10 Speed Dial keys	12 Speed Dial keys with Busy Lamp Field	12 Speed Dial keys with Busy Lamp Field
<i>Common Key Features</i>	SIP RFC3261, Auto Provisioning, Web Management, 2 x IEEE 802.3 10/100 Mbps with Internal Switch		
<i>Common Telephone Keys</i>	Directory, Voice mail, 4-Way Menu navigation, Volume, Transfer, Conference, Forward, Mute, Hold, Redial, Headset, Full Duplex Speakerphone		
Telephony Features			
<i>Supplementary Features</i>	Call Waiting, Call Hold, Call Transfer, Call Forward, 3-Way Conference, Hot Line, DND, Mute, Speed Dial, Dialing Plan, Phone Book		
<i>Signaling</i>	Caller ID, MWI, DTMF Relay – RFC2833, DTMF via SIP INFO, Configurable Call Progress Tones		
Media Processing			
<i>Narrowband Voice Coders</i>	Narrowband Voice Coders G711μ/a, G729A/B, G723.1	Narrowband Voice Coders G711μ/a, G729A/B, G723.1	Narrowband Voice Coders G711μ/a, G729A/B, G723.1
<i>Wideband Voice Coders</i>	Wideband Voice Coder G.722	Wideband Voice Coder G.722	Wideband Voice Coder G.722
<i>Echo Cancelation</i>	Acoustic echo cancelation - multiple path, wideband acoustic EC	Acoustic echo cancelation - multiple path, wideband acoustic EC	Acoustic echo cancelation - multiple path, wideband acoustic EC
<i>Packet Loss Concealment</i>	Proprietary, innovative time variant algorithm	Proprietary, innovative time variant algorithm	Proprietary, innovative time variant algorithm
<i>Silence Suppression</i>	VAD, CNG	VAD, CNG	VAD, CNG
<i>Adaptive Jitter Buffer</i>	300 MS - adaptive minimum delay buffer	300 MS - adaptive minimum delay buffer	300 MS - adaptive minimum delay buffer
Protocol Support			
<i>VoIP Signaling</i>	SIP – RFC 3261, SIP over TLS	SIP – RFC 3261, SIP over TLS	SIP – RFC 3261, SIP over TLS
<i>Data Protocols</i>	IPv4, TCP, UDP, ICMP, ARP, RTP, RTCP, Static IP and DHCP IP Assignment, IEEE 802.1p/Q, QoS/ToS, HTTP/DHCP		
<i>Provisioning & Management</i>	Web Server for Configuration and Management, Configuration update via FTP, TFTP, HTTP		
Physical Specifications			
<i>Telephone Interface</i>	RJ-9 Handset Jack x 1, RJ-9 Headset Jack x 1	RJ-9 Handset Jack x 1, RJ-9 Headset Jack x 1	RJ-9 Handset Jack x 1, RJ-9 Headset Jack x 1
<i>Network Interface</i>	2 LAN RJ-45 10/100 Base-T for PC and LAN connectivity	2 LAN RJ-45 10/100 Base-T for PC and LAN connectivity	2 LAN RJ-45 10/100 Base-T for PC and LAN connectivity
<i>Power</i>	+12V DC, 1A Power adapter AC 100V-240V, Integrated Power over Ethernet - IEEE 802.3af (optional)		
<i>Storage Temperature</i>	-20° to +70°C	-20° to +70°C	-20° to +70°C
<i>Operation Temperature</i>	0° to +45°C	0° to +45°C	0° to +45°C
<i>Dimensions (HxWxD)</i>	100x20x80mm	250x185x165mm	250x185x165mm