

#### ABOUT AUDIOCODES

AudioCodes Ltd. (NasdaqGS: AUCD) provides innovative, reliable and cost-effective Voice over IP (VoIP) technology, Voice Network Products, and Value Added Applications to Service Providers, Enterprises, OEMs, Network Equipment Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway, and media processing enabling technologies based on VoIPerfect™ - AudioCodes' underlying, best-of-breed, core media architecture. The company is a market leader in VoIP equipment, focused on VoIP Media Gateway, Media Server, Session Border Controllers (SBC), Security Gateways and Value Added Application network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past ten years and is a key player in the emerging best-of-breed, IMS based, VoIP market. The Company is a VoIP technology leader focused on quality and interoperability, with a proven track record in product and network interoperability with industry leaders in the Service Provider and Enterprise space. AudioCodes Voice Network Products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, cable, enhanced voice services, video, and Enterprise IP Telephony markets. AudioCodes' headquarters and R&D are located in Israel with an additional R&D facility in the U.S. Other AudioCodes' offices are located in Europe, India, the Far East, and Latin America.

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**HD VoIP**  
Sounds Better

**AudioCodes**  
Connecting Networks

**RedLinX**

## AUDIOCODES 300HD SERIES

High Definition IP Phones



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Connecting Networks

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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	<i>310HD</i> 	<i>320HD</i> 	<i>350HD</i> 
Key Features	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
Telephone Keys	10 Speed Dial keys	12 Speed Dial keys with Busy Lamp Field	12 Speed Dial keys with Busy Lamp Field
Common Key Features	SIP RFC3261, Auto Provisioning, Web Management, 2 x IEEE 802.3 10/100 Mbps with Internal Switch		
Common Telephone Keys	Voice Message, 4-Way Menu navigation, Volume, Transfer, Conference, Forward, Mute, Hold, Redial, Headset, Full Duplex Speakerphone		
Telephony Features			
Supplementary Features	Call Waiting, Call Hold, Call Transfer, Call Forward, 3-Way Conference, Hot Line, DND, Mute, Speed Dial, Dialing Plan, Phone Book		
Signaling	Caller ID, MWI, DTMF Relay – RFC2833, DTMF via SIP INFO, Configurable Call Progress Tones		
Media Processing			
Narrowband Voice Coders	G711μ/a, G729A/B, G723.1, G.726	G711μ/a, G729A/B, G723.1, G.726	G711μ/a, G729A/B, G723.1, G.726
Wideband Voice Coders	G.722, G.722.2 G.711.1*, G.729.1*	G.722, G.722.2 G.711.1*, G.729.1*	G.722, G.722.2 G.711.1*, G.729.1*
Echo Cancellation	Acoustic echo cancellation - multiple path, wideband acoustic EC	Acoustic echo cancellation - multiple path, wideband acoustic EC	Acoustic echo cancellation - multiple path, wideband acoustic EC
Packet Loss Concealment	Proprietary, innovative time variant algorithm	Proprietary, innovative time variant algorithm	Proprietary, innovative time variant algorithm
Silence Suppression	VAD, CNG	VAD, CNG	VAD, CNG
Adaptive Jitter Buffer	300 MS - adaptive minimum delay buffer	300 MS - adaptive minimum delay buffer	300 MS - adaptive minimum delay buffer
Protocol Support			
VoIP Signaling	SIP – RFC 3261, SIP over TLS	SIP – RFC 3261, SIP over TLS	SIP – RFC 3261, SIP over TLS
Data Protocols	IPv4, TCP, UDP, ICMP, ARP, RTP, RTCP, PPPoE, Static IP and DHCP IP Assignment, IEEE 802.1p/Q, QoS/ToS, HTTP/DHCP		
Provisioning & Management	Web Server for Configuration and Management, Configuration update from FTP		
Physical Specifications			
Telephone Interface	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
Network Interface	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
Power	+12V DC, 1A Power adapter AC 100V-240V, Integrated Power over Ethernet - IEEE 802.3af (optional)		
Storage Temperature	-20° to +70°C	-20° to +70°C	-20° to +70°C
Operation Temperature	0° to +45°C	0° to +45°C	0° to +45°C
Dimensions (HxWxD)	100x20x80mm	250x185x165mm	250x185x165mm

\*Please contact AudioCodes for availability