

AUDIOCODES
IP TELEFONLAR İÇİN
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ARAYABİLİRSİNİZ

 audiocodes

400HD IP TELEFON SERİSİ

AudioCodes **400HD serisi IP telefonlar**, servis sağlayıcı, barındırılan hizmetler, birleşik iletişim, kurumsal IP telefon ve iletişim merkezi pazarları için kullanımı kolay, zengin özelliklere sahip ürünler içerir. Diğer VoIP ürünlerimizle aynı gelişmiş, sahada kanıtlanmış temel teknolojiye dayanan AudioCodes yüksek kaliteli IP telefonları, servis sağlayıcıların, sistem entegratörlerinin ve son müşterilerin uçtan uca VoIP çözümleri oluşturmalarını sağlar.

Başlıca özellikler

- HD ses kalitesi
- AudioCodes Otomatik Provisioning
- Güçlü güvenlik mekanizmaları
- Power over Ethernet (PoE)
- Çoklu dil desteği
- Ses kalitesi izleme entegrasyonu
- Tam çift yönlü ahizesiz görüşme
- Geniş uyumluluğa sahip SIP protokol desteği
- Teknik destek için Vodanet'i arayabilirsiniz

Birleşik İletişim

AudioCodes, birleşik iletişim (UC) pazarı için özel olarak tasarlanmış çeşitli çözümler sunar. UC için sunulan AudioCodes, yüksek kaliteli sesli çağrılarının yanı sıra iletişim durumu özelliklerini de destekleyen medya ağ geçitleri, E-SBC'ler, çağrı kayıt çözümleri, mobilite ve IP telefonları içerir.

Kurumsal IP Telefonu

AudioCodes IP telefonlar, şirket içi, açık kaynaklı ve barındırılan IP-PBX kullanıcıları için güvenilir, yüksek kaliteli iletişim sunar. Geniş temel iş özellikleri, güvenilirliği ve kanıtlanmış birlikte çalışabilirliği, SOHO'dan büyük işletmelere kadar her SIP tabanlı ortam için mükemmel bir seçimdir.

IP İletişim Merkezleri

AudioCodes IP telefonlar IP iletişim merkezi temsilcileri için mükemmel bir çözüm sunar. İletişim merkezi temsilcileri için mükemmel ses kalitesini, kompakt ve sağlam bir muhafaza tasarımı ve kulaklık entegrasyonu ile birleştiren AudioCodes IP telefonlar, önde gelen iletişim merkezi çözüm sağlayıcılarıyla tam sertifikalı VoIP birlikte çalışabilirliği de dahil olmak üzere büyüyen iletişim merkezi pazarında gerekli olan bazı temel özellikleri sunar.

C450HD IP Phone



The C450HD IP phone is a high-end, native Microsoft Teams executive IP phone with a large, color 5" touch screen, integrated **bluetooth and **Wi-Fi, and optional connectivity to color touch screen expansion modules.

- Full duplex speakerphone and headset connectivity
- Graphical 5" color touch screen (1280 X 720)
- Multi-lingual support
- Dual GbE support
- PoE or external power supply
- 2xUSB headset support
- Integrated **Bluetooth and **Wi-Fi
- Expansion module support



C448HD IP Phone



The C448HD IP phone is a Microsoft Teams-native entry level/common area phone with a large, color 5" touch screen. Recommended for hot desking environment.

- Full duplex speakerphone and headset connectivity
- Graphical 5" color touch screen (1280 X 720)
- Multi-lingual support
- Dual GbE support
- PoE or external power supply
- 1xUSB headset support



450HD IP Phone



The 450HD IP phone is an executive high end business IP phone with a large, color 5" main touch screen and optional connectivity to color touch screen expansion modules.

- Large 5" Color TFT main screen (800 X 480)
- Multi-lingual support
- Touch oriented user interface allowing up to 8 programmable soft keys
- Expansion module (optional) with 5" Color TFT screen (480 X 854)
- Full duplex speakerphone and headset connectivity
- 8 lines
- Dual GbE support
- USB headset support
- PoE or external power supply



445HD IP Phone



The 445HD IP phone is an advanced, high-end business IP phone with a large, color 4.3" main display, integrated to **bluetooth and **Wi-Fi with a dedicated LCD displaying contacts and their presence (integrated sidecar).

- Color 4.3" high resolution screen (480x272)
- Full duplex speakerphone and headset connectivity
- 6 multi-function keys
- 4 soft keys
- Dedicated LCD (370 X 60) for 12 contacts display with (BLF)
- Dual GbE support
- USB headset support
- Integrated **Bluetooth and **Wi-Fi
- PoE or external power supply



** Bluetooth and Wi-Fi is supported in specific regions such as the USA, Canada, the European Union, Switzerland and Israel, and requires a specific CPN with a "BW" suffix when ordering. For an updated list of supported regions please contact AudioCodes.

440HD & 430HD IP Phones



The 440HD/430HD IP phones are advanced, mid-range business IP phones. Built for ease-of-use and convenience, the 430HD boasts a large LCD and 12 programmable speed dial keys. The 440HD includes a dedicated LCD displaying contacts and their presence (integrated sidecar).

- Full duplex speakerphone and headset connectivity
- 6 lines
- Graphical multi-lingual LCD (256 X 128)
- 6 multi-function keys
- 4 soft keys
- 12 programmable speed dial keys with presence monitoring (BLF)
- Dedicated LCD (370 X 60) for contacts display (440HD only)
- Dual GbE support
- USB headset support
- PoE or external power supply



420HD IP Phone



The 420HD IP phone is an entry-level, 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
- Graphical multi-lingual LCD (128 X 48)
- 4 programmable soft keys
- Dual GbE support
- PoE or external power supply



405HD & 405 IP Phones



The 405HD and 405 IP phones are a cost-effective, entry-level IP phones designed to offer the essential everyday features that the modern business environment demands.

- Full duplex speakerphone and headset connectivity
- 2 lines
- Graphical, backlit multi-lingual LCD (132 X 64)
- 4 programmable soft keys
- PoE or external power supply
- Dual GbE support (supported only on the 405HD)
- USB headset support (supported only on the 405HD)



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, dial plan, CWR, call logs, auto answer via TALK event, call pickup, multiple Boss Admin, shared line appearance, call park
Signaling	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	
Wideband Voice Coders	G.722, OPUS ² , SILK ²
Narrowband Voice Coders	G.711µ/a, G.729A/B, OPUS ² , SILK ²
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 global redirection server, provision URL via SIP SUBSCRIBE and NOTIFY, RFC6035 SIP publish for QoE reporting
General Specifications	
Language Support	English (default), Spanish, Italian, Portuguese (with feature key), German, Russian, Ukrainian, French, Polish, Hebrew, Finnish, Korean, Simplified and Traditional Chinese, Turkish, Japanese (Kanji, Hiragana, and Katakana input modes), Hungarian, Slovak, Czech
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
Power Requirements	+12V DC, 1A power adapter (C448HD, 450HD, C450HD, HRS: +12V DC, 2A) 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)
Homologations & Approvals	FCC Part 15 Class B, ICES-003 Class B, EN55032 Class B, EN61000-3-2, EN61000-3-3, UL-60950-1, EN60950-1, IEC-60950-1 (CB), CE mark, cTUVus RCM, KC, Anatel, CCC, ICASA, EAC, IC, ACTA, VCCI, BSMI

The homologation list can change from model to model, please contact AudioCodes for up to date model specific information.

Physical Specifications

	C450HD/C448HD/450HD	445HD	440HD/430HD	420HD	405HD/405 ⁴
Unit Dimension (WxDxH)	234 x 190 x 170/195 mm ³ (9.21 x 7.48 x 6.69/7.67 in.)	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	1.284Kg (2.83 lb)	1.05Kg (2.31 lb)	1.05Kg (2.31 lb)	0.82Kg (1.81 lb)	0.68Kg (1.5 lb)
Unit Box Dimension (WxDxH)	275 x 245 x 110 mm (10.82 x 9.64 x 4.33 in.)	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	1.722kg (3.79 lb)	1.49Kg (3.28 lb)	1.49Kg (3.28 lb)	1.2Kg (2.65 lb)	0.9Kg (1.98 lb)
Master Carton Dimension (WxDxH)	579 x 467 x 293 mm (22.79 x 18.38 x 11.53 in.)	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	16.07 Kg (35.42 lb)	16.07 Kg (35.42 lb)	15.8Kg (34.83 lb)	13.1Kg (28.88 lb)	10.1kg (22.27 lb)

¹ USB port not supported on 405, 420HD | DHSG not supported on 405/405HD and 420HD

² OPUS and SILK supported on 405HD, 420HD 430HD, 440HD, 450HD and HRS

³ C448HD, 450HD and C450HD supports two desktop positions: Low position: 170mm | High position: 195mm

⁴ GbE and USB are available on 405HD (not supported on 405)