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.

**Unified Communications**

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.

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### Technical Specifications for the 400HD Series

#### Telephone Features
- Call Waiting, Call Hold, Call Transfer, Call Forward, 3 Way Conference (local mix) and network conferencing, Hot Line, DND, Mute, Speed Dial, Out of Line, Call Logs, Auto Answer via TALK event, Call Pickup

#### Supplementary Features
- Call-ID, WAV, DTMF Relay – RFC2833, DTMF via SIP INFO, Configurable Call Progress Tones

#### WAC applications
- Unified Communications, IP Contact Centers, Open source IP-PBX, Hosted IP-PBX and IP Centers

#### Enhanced VoIP Processing Capabilities
- Packet loss concealment, High quality wideband, Wideband acoustic echo canceler, Low-delay adaptive jitter buffers

#### Media Processing

#### Additional Media Features
- Acoustic echo cancellation (AEC): multiple path, wideband acoustics, EC, Packet Loss Concealment, Silence Suppression, Voice Activation Detection, Adaptive jitter buffers

#### Protocol Support
- VoIP and Signaling: RTP, RFC 2327, SDP, RFC 1890, SDP over TCP/UDP/DTLS, DVE, SRP (Redundancy), Digest authentication, PRACK, Early-Media, SIP Subscribe requests, BLY (Bay jazz lamp Hale), Presence, MWI (message waiting indication)

#### Data Protocols
- IPv4, TCP, UDP, ICMP, ARP, RTT, SRTP, RTP-CP, 2.1, Jrmi, Static DHCP IP Assignment, IEEE 802.1x, DHCP, DHCPv6, HTTP/HTTPS, DHCP Option 254, TFTP, Telnet, DHCP Option 66, 67, 68, 69, 71, 77

#### Security
- 3DES, 128-bit, 256-bit, AES encryption, SSL/TLS, Configuration file encryption, PC port disable option

#### Provisioning & Management
- Web Server for Configuration and Management, Configuration update via FTP, TFTP, HTTP, DHCP Options (66, 67, 68, 69, 71, 77), Mass Deployment Provisioning with TR-069 and TR-088 (client), Provision URL via SIP SUBSCRIBE and NOTIFY

#### General Specifications
- Language support: English (default), Spanish, Italian, Portuguese, German, Russian, Ukrainian, Polish, French, Hebrew
- Telephone Interface: RJ-9 Headset Jack X 1, USB port for headset
- Network Interface: 2-10/100/100 Base-T for PC and LAN connectivity
- Power Requirements: 110-240V AC Power adapter AC 100-240V and/or Integrated Power over Ethernet 802.3af (please list price for ordering options)
- Storage/Operation Temperature: -10° to +55°C (-14° to +131°F) (+10° to +40°C (+50° to +104°F)
- Approvals, Safety and Accessibility Standards: FCC Part 15 Class B, CE mark, C-Tick, Chile, C-Tick, FCC Part 15 Class B, ICES-003 Class B, EN60950-1, IEC-60950-1 (CB), CE mark, C-Tick, VCCI Class B, Australia A-Tick, Asia/NZS60950.1 and AS/ASIF S004, Brazil Anatel, Japan PSE mark, FAS, RCM, VCCI Class B, BSMI mark, ANTA, VCCI Class B, BSMI mark, ANTA, VCCI Class B

#### Physical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Unit Box Dimension (HxWxD)</th>
<th>Unit Box Weight</th>
<th>Unit Dimension (HxWxD)</th>
<th>Unit Weight</th>
<th>Country Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>440HD</td>
<td>(20.87 x 19.49 x 13.39 in.)</td>
<td>(9.84 x 6.18 x 6.41 in.)</td>
<td>1.05Kg (2.31 lb)</td>
<td>440 x 360 x 260 mm</td>
<td>FCC, C-Tick, CE, VCCI, CB, FCC, C-Tick, CE, VCCI, CB</td>
</tr>
<tr>
<td>430HD</td>
<td>(19.49 x 15.55 x 9.33 in.)</td>
<td>(8.27 x 7.87 x 3.94 in.)</td>
<td>0.68Kg (1.5 lb)</td>
<td>395 x 305 x 237 mm</td>
<td>FCC, C-Tick, CE, VCCI, CB, FCC, C-Tick, CE, VCCI, CB</td>
</tr>
<tr>
<td>420HD</td>
<td>(20.87 x 19.49 x 13.39 in.)</td>
<td>(9.84 x 6.18 x 6.41 in.)</td>
<td>1.2Kg (2.65 lb)</td>
<td>540 x 495 x 260 mm</td>
<td>FCC, C-Tick, CE, VCCI, CB, FCC, C-Tick, CE, VCCI, CB</td>
</tr>
<tr>
<td>405</td>
<td>(19.49 x 15.55 x 9.33 in.)</td>
<td>(8.27 x 7.87 x 3.94 in.)</td>
<td>1.00Kg (2.20 lb)</td>
<td>495 x 395 x 237 mm</td>
<td>FCC, C-Tick, CE, VCCI, CB, FCC, C-Tick, CE, VCCI, CB</td>
</tr>
</tbody>
</table>

*OPUS* and *HDV* are AudioCodes trademarks.
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

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

- 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)
- Dedicated LCD (376 X 60) for contacts display
- GbE Support
- USB headset support
- PoE or external power supply

The 405 IP Phone is a low-cost, 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

The 420HD 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

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
- 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