The AudioCodes 400HD series of Zoom-certified business phones is a range of easy-to-use, feature-rich deskphones that boost workplace productivity by providing a superior Zoom Phone experience.

Each business phone is packed with advanced features to deliver crystal-clear voice quality, superb image clarity, calendar synchronization and one-click to join functionality for seamless integration with any Zoom Phone deployment in any sized enterprise.

All AudioCodes Zoom-certified devices can be managed and monitored from the cloud using Zoom Device Management (ZDM).

### 400HD Family – Key Features for Zoom

- Basic and advanced calling features, including PSTN calling, transfer to voice mail, peer-to-peer calls, in-call controls (Mute/Unmute, Hold/Resume), call transfer and call park
- Zoom call flip to another device
- Call monitoring (listen, whisper, barge, conference barge, take over)
- Do not disturb (DND)
- View and manage voice mail
- Hot desking
- Call delegation and shared line (445HD, C450HD)
- Group call pickup
C470HD

The C470HD is a high-end, executive business phone certified for Zoom Phone Appliance, featuring a remarkably clean and intuitive design with a graphical portrait 5.5” color touch screen and a virtual keyboard.

- Total Touch single surface design (touch screen, touch keys)
- High-end portrait 5.5” touch screen (720 X 1280), easily readable from a distance
- Full duplex speakerphone and headset connectivity
- Dual GbE support
- PoE or external power supply
- USB headset support
- Integrated Bluetooth headset support and dual-band Wi-Fi connectivity*
- Android OS 9.0 (roadmap for Android OS upgrade)
- Kensington lock

C450HD

The C450HD is a high-end, executive IP phone certified for Zoom Phone with a large, color 5” touch screen and optional connectivity to a dedicated color touch screen expansion module.

- Full duplex speakerphone and headset connectivity
- High-end 5” color touch screen (1280 x 720), easily readable from a distance
- Vertical optional 5” color touch screen (480 x 854) expansion module for enhanced productivity, accommodating up to 50 contacts with one-click speed dial
- Dual GbE support
- PoE or external power supply
- USB headset support
- Integrated Bluetooth headset support and dual band Wi-Fi connectivity*
- Kensington lock

C445HD

The 445HD is an advanced high-end business phone certified for Zoom Phone with a 4.3” color screen. It includes an integrated, dedicated LCD sidecar displaying contacts and their presence.

- Color 4.3” high resolution screen (480 X 272)
- Full duplex speakerphone and headset connectivity
- 6 multi-function keys
- 4 soft keys
- Dedicated LCD (60 X 370) for displaying 12 contacts (with BLF)
- Dual GbE support
- USB headset support
- Integrated Bluetooth and Wi-Fi*
- PoE or external power supply

405HD

The 405HD is an entry-level IP phone certified for Zoom Phone that is designed to offer the essential everyday features that the modern business environment demands.

- Graphical, backlit multilingual LCD (132 X 64)
- 4 customized soft keys
- 2x GbE support
- USB headset connectivity (for headset)
**RXVCam10 Personal Camera**

The RXVCam10 is a Zoom-certified personal webcam ideally suited to today’s dynamic and collaborative workplaces. Its high-quality, real-time video brings meetings to life, ensuring that every participant can see and be seen with outstanding clarity in any situation, from direct sunlight to low light levels. The RXVCam10 perfectly complements the uncompromising quality assured by AudioCodes’ unified communications (UC) solutions, ensuring seamless integration into the Live portfolio.

- 1080p Full HD video at 30fps
- 3x digital zoom
- 84° field of view
- 2-megapixel CMOS image sensor
- USB 2.0 port for easy plug-and-play setup
- Straightforward to mount and set to the desired angle

### Technical Specifications

#### User Interface

<table>
<thead>
<tr>
<th>Feature</th>
<th>C470HD</th>
<th>C445HD</th>
<th>C450HD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intuitive touch screen including virtual keyboard</td>
<td>✓</td>
<td>-</td>
<td>✓</td>
</tr>
<tr>
<td>Touch keys with backlight for Home, Mute, Speaker and Headset</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Touch keys without backlight for Back, Hold, Transfer and Volume</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mechanical keys with backlight for Mute, Speaker and Headset</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Mechanical keys without backlight for Transfer, Hold, Redial, Contacts, Back, 4-way navigation with OK</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>virtual keypad which is triggered via the speaker or headset touch key</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Keypad</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Dedicated presence indication LED (Red/Green/Yellow)</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Multi-lingual UI support</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

#### Network and Security Features

- Voice coders: G.711, G.729, G.722, OPUS
- Acoustic echo cancelation
- Adaptive jitter buffer
- Voice activity detection
- Comfort Noise Generation
- Packet lost concealment
- RTP/RTCP packetization (RFC 3550, RFC 3551), SRTP (RFC 3711)

#### Media Processing

- HTTP/HTTPS secured provisioning
- UDP/TCP, NTP, DNS/SRV
- RTP/RTCP packetization (RFC 3550, RFC 3551), SRTP (RFC 3711)
- TLS version 1.2 – secured transport layer
- 802.1x for secured network access
- VLAN discovery modes: CDP-LLDP, CDP only or LLDP only
- Support for HTTP proxy and PAC file, either manually or via DHCP option 252

#### General Specifications (Common to All Models)

- Centralized management supported by the AudioCodes One Voice Operations Center (OVOC) Device Manager
- Zero touch with AudioCodes Redirect server
## Unique Hardware Parameters

<table>
<thead>
<tr>
<th></th>
<th>405HD</th>
<th>445HD</th>
<th>450HD</th>
<th>470HD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wired Connectivity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>USB Headset, Two RJ-45 Gigabit Ethernet (GbE) (10/100/1000BaseT Ethernet) ports for WAN and LAN</td>
<td>USB Headset, RJ-9 Analog Headset, Two RJ-45 Gigabit Ethernet (GbE) (10/100/1000BaseT Ethernet) ports for WAN and LAN</td>
<td>USB Headset, RJ-9 Analog Headset, Two RJ-45 Gigabit Ethernet (GbE) (10/100/1000BaseT Ethernet) ports for WAN and LAN</td>
<td>USB Headset, RJ-9 Analog Headset, Two RJ-45 Gigabit Ethernet (GbE) (10/100/1000BaseT Ethernet) ports for WAN and LAN</td>
</tr>
<tr>
<td><strong>Wi-Fi</strong></td>
<td>N/A</td>
<td>“BW” CPN Single band 2.4GHz, 802.11b/g/n Wi-Fi support</td>
<td>Dual band 2.4GHz and 5 GHz 802.11b/g/n Wi-Fi support</td>
<td>C470HD “DBW” CPN Dual band 2.4GHz and 5 GHz 802.11b/g/n Wi-Fi support</td>
</tr>
<tr>
<td><strong>Bluetooth Connectivity</strong></td>
<td>N/A</td>
<td>“BW”/”DBW”</td>
<td>Dual band 2.4GHz and 5 GHz 802.11b/g/n Wi-Fi support</td>
<td>C470HD “DBW” BT 5</td>
</tr>
<tr>
<td><strong>PoE Class</strong></td>
<td>3 (IEEE802.3af)</td>
<td>2 (IEEE802.3af)</td>
<td>3 (IEEE802.3af)</td>
<td>3 (IEEE802.3af)</td>
</tr>
<tr>
<td><strong>DC Power Jack</strong></td>
<td>12V, optional external power supply 2A/12V 100-240V</td>
<td>12V, optional external power supply 2A/12V 100-240V</td>
<td>12V, optional external power supply 2A/12V 100-240V</td>
<td>12V, optional external power supply 2A/12V 100-240V</td>
</tr>
<tr>
<td><strong>Base Stand Options</strong></td>
<td>Detachable base, 2 positions, wall</td>
<td>Detachable base, 2 positions, wall mount</td>
<td>Detachable base, 2 positions, wall mount</td>
<td>Single position, no wall mount</td>
</tr>
<tr>
<td><strong>Unit Dimensions (mm)</strong></td>
<td>249(W)x122(D)x189.2(H)</td>
<td>249(W)x122(D)x189.2(H)</td>
<td>236(W)x195(D)x195.7(H) With Expansion Module 321.5(W)x195(D)x195.7(H)</td>
<td>Portrait 180(W)x165(D)x230(H)</td>
</tr>
<tr>
<td><strong>Unit Weight (kg)</strong></td>
<td>0.9%</td>
<td>1.464</td>
<td>1.620/1.548</td>
<td>Regular 1.741 Triangular 1.796</td>
</tr>
<tr>
<td><strong>Unit Box Weight (Gross) (kg)</strong></td>
<td>1.388</td>
<td>C450HD/C455HD 1.620/1.548</td>
<td>Regular 1.741 Triangular 1.796</td>
<td>Portrait</td>
</tr>
<tr>
<td><strong>Unit Box Dimension (mm)</strong></td>
<td>316(W)x255(D)x95(H)</td>
<td>316(W)x255(D)x95(H)</td>
<td>280(W)x245(D)x110(H)</td>
<td>Regular 238(W)x275(D)x174(H) Triangular 240(W)x347(D)x231(H)</td>
</tr>
<tr>
<td><strong>Master Carton Dimension (mm)</strong></td>
<td>532(W)x500(D)x361(H) (x10 Units)</td>
<td>532(W)x500(D)x361(H) (x10 Units)</td>
<td>579(W)x467(D)x291(H)</td>
<td>Regular 12.35 Triangular -</td>
</tr>
<tr>
<td><strong>Master Carton Weight (kg)</strong></td>
<td>15.9</td>
<td>C450HD/C455HD 15.145.5</td>
<td>Regular 12.35 Triangular -</td>
<td>-</td>
</tr>
<tr>
<td><strong>Storage/Operation Temperature</strong></td>
<td>-20°C to +70°C / 0°C to +40°C (-4 to +158°F / 32 to +104°F)</td>
<td>-20°C to +70°C / 0°C to +40°C (-4 to +158°F / 32 to +104°F)</td>
<td>-20°C to +70°C / 0°C to +40°C (-4 to +158°F / 32 to +104°F)</td>
<td>-20°C to +70°C / 0°C to +40°C (-4 to +158°F / 32 to +104°F)</td>
</tr>
<tr>
<td><strong>Homologation and Approvals</strong></td>
<td>FCC part 68.316, ICES-003 Class B, EN5032 Class B, ENE10000-3-2, EN60000-3-3, UL-62368-1, IEC, CE mark, cTUVus. For Models with Bluetooth and Wi-Fi, FCC part 15.247, FCC part 15.407, EN300328, EN300440, EN301893, EN301489.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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

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