

## Cisco IP Conference Phone 7832 Data Sheet



The Cisco® IP Conference Phone 7832 is an entry-level, cost-effective conference endpoint that provides superior HD audio performance for executive offices and small meeting rooms with up to six participants.

The Cisco IP Conference Phone 7832 enhances people-centric collaboration by delivering easy-to-use audio conferencing. It combines superior high-definition (HD) audio performance and 360-degree microphone coverage in a very sleek, approachable, and compact form, making it ideal for both small conference and huddle rooms and private offices, such as for managers and executives.

The 7832 is designed with a unique acoustic architecture that enables it to capture both the deeper lows and the higher frequencies of the human voice, resulting in a true audiophile sound experience. With full-duplex technology that eliminates distracting drop-outs, as well as the latest echo cancellation advancements, it offers a conference phone experience without compromise.

Conference calls are made more productive and efficient by four sensitive microphones with 360-degree coverage that allow users to speak in a normal voice and be heard clearly from up to 7 feet (2.1 m) away. The phone also features technology that resists interference from mobile phones and other wireless devices, assuring delivery of clear communications without distractions.

The Cisco IP Conference Phone 7832 uses Cisco's first-class voice over IP (VoIP) technology to deliver ease of use, "always-on" reliability, encrypted voice communications for unparalleled security, and access to a comprehensive suite of unified communications features from CUCM (Cisco Unified Communications Manager) or Cisco Spark cloud.

The key features of this conference phone are as follows:

- Compact footprint design with 360-degree room coverage and no less than 7-ft (2.1-m) microphone pickup.
- 3.4-inch (8.6-cm), 384x128-pixel monochrome LCD with backlit LED and antiglare bezel.
- Large mute button for easy access from all sides of the device.
- Single line with a user experience of multiple calls per line, as on other 7800 Series phones.
- Codec support including G.711(u/A), G.729a, G.729ab, iLBC, G.722, and OPUS.
- Secure Hash Algorithm (SHA)-256 enabled for advanced security features.
- IEEE 802.3af Power over Ethernet (PoE) Class 2 for low power consumption. An optional external universal AC power supply kit is available. The product is qualified by the Energy Star organization.

## Features and Benefits

Table 1 lists features and benefits of the Cisco IP Conference Phone 7832.

**Table 1.** Features and Benefits

Features	Benefits
<b>Hardware Features</b>	
<b>Ergonomic design</b>	<ul style="list-style-type: none"><li>• Sleek form and approachable materials for a differentiated, modern look and feel</li><li>• 7800 Series interface provides an easy-to-use and traditional telephony-like user experience</li></ul>
<b>Graphical display</b>	<ul style="list-style-type: none"><li>• The 384x128 (W x H) monochrome display with white LED backlight provides scrollable access to calling features and text-based XML applications</li><li>• Antiglare and fingerprint-proof bezel offers a crystal clear view of high-resolution LCD</li></ul>
<b>Speaker phone</b>	<ul style="list-style-type: none"><li>• A full-duplex speakerphone gives you flexibility in placing and receiving calls with hands free</li></ul>
<b>Volume control</b>	<ul style="list-style-type: none"><li>• A volume control toggle provides easy decibel level adjustments of the speaker and ringer.</li></ul>
<b>Ethernet switch</b>	<ul style="list-style-type: none"><li>• 10/100 BASE-T</li></ul>
<b>Keys</b>	<ul style="list-style-type: none"><li>• The phone has the following keys:<ul style="list-style-type: none"><li>◦ Four context-dependent soft keys</li><li>◦ Two-way navigation and select keys</li><li>◦ Standard keypad</li><li>◦ Volume-control toggle key</li><li>◦ Large mute key accessible from all sides</li></ul></li></ul>
<b>Power Features</b>	
<b>IEEE Power over Ethernet (PoE)</b>	<ul style="list-style-type: none"><li>• IEEE PoE Class 2. The phone is compatible with both IEEE 802.3af and 802.3at switch blades and supports both Cisco Discovery Protocol and Link Layer Discovery Protocol - Power over Ethernet (LLDP-PoE)</li><li>• If the connected LAN switches don't support PoE, a spare PoE power cable will be needed to work with Cisco Power Cube 3/Power Adapter 3 to provide AC wall power.</li></ul>
<b>Call-Control Support</b>	
<b>Cisco Unified Communications Manager</b>	<ul style="list-style-type: none"><li>• 10.5 and later</li></ul>
<b>Cisco Hosted Collaboration Solution</b>	<ul style="list-style-type: none"><li>• 10.5 and later</li></ul>
<b>Cisco Spark Call</b>	<ul style="list-style-type: none"><li>• Cisco Spark Call support for Cisco cloud solution</li></ul>

## Licensing

The Cisco IP Phone 7832 requires an Enhanced User Connect License (UCL) in order to connect to Cisco Unified Communications Manager.

## Product Specifications

Table 2 lists the specifications of the Cisco IP Conference Phone 7832.

**Table 2.** Specifications

Feature	Specifications
<b>Signaling protocol support</b>	<ul style="list-style-type: none"> <li>• Session Initiation Protocol (SIP)</li> </ul>
<b>Audio codec support</b>	<ul style="list-style-type: none"> <li>• G.711a-law and mu-law, wideband (G.722), G.729a, G.729ab, Internet Low Bitrate Codec (iLBC), OPUS</li> </ul>
<b>Call features</b>	<ul style="list-style-type: none"> <li>• + Dialing</li> <li>• Abbreviated dial</li> <li>• Adjustable ring tones and volume levels</li> <li>• Auto-answer</li> <li>• Barge</li> <li>• Call back</li> <li>• Call forward</li> <li>• Call history lists</li> <li>• Call timer</li> <li>• Call waiting</li> <li>• Caller ID</li> <li>• Corporate directory</li> <li>• Conference</li> <li>• Cross Cluster Extension Mobility (EMCC)</li> <li>• Dial from the list</li> <li>• Direct transfer</li> <li>• Do not disturb</li> <li>• Extension Mobility (EM)</li> <li>• Hold/Resume</li> <li>• Immediate divert</li> <li>• Join</li> <li>• Message-waiting indicator</li> <li>• Music on hold (MoH)</li> <li>• Mute</li> <li>• Network profiles (automatic)</li> <li>• On- and off-network distinctive ringing</li> <li>• Personal directory</li> <li>• Privacy</li> <li>• Predialing before sending</li> <li>• Redial</li> <li>• Shared line</li> <li>• Speed dial (Favorites)</li> <li>• Time and date display</li> <li>• Transfer</li> <li>• Voicemail (Messages)</li> </ul>
<b>Quality-of-service (QoS) options</b>	<ul style="list-style-type: none"> <li>• The phone supports Cisco Discovery Protocol and 802.1Q/p standards, and can be configured with an 801.1Q VLAN header containing the VLAN ID overrides configured by the admin VLAN ID</li> </ul>
<b>Directories</b>	<ul style="list-style-type: none"> <li>• The phone identifies incoming messages and categorizes them for users on the screen. This makes it fast and easy to return calls using direct dial-back capability. The corporate directory integrates with the Lightweight Directory Access Protocol (LDAP) standard directory.</li> </ul>
<b>Configuration options</b>	<ul style="list-style-type: none"> <li>• The user can configure IP address assignment statically or through the DHCP client.</li> </ul>
<b>Network features</b>	<ul style="list-style-type: none"> <li>• Session Initiation Protocol (SIP) for signaling</li> <li>• Session Description Protocol (SDP)</li> <li>• IPv4</li> <li>• IPv6</li> <li>• User Datagram Protocol (UDP) (used only for Real-Time Transport Protocol [RTP] streams)</li> <li>• Dynamic Host Configuration Protocol (DHCP) client or static configuration</li> </ul>

Feature	Specifications
	<ul style="list-style-type: none"> <li>• Gratuitous Address Resolution Protocol (GARP)</li> <li>• Domain Name System (DNS)</li> <li>• Trivial File Transfer Protocol (TFTP)</li> <li>• Secure Hypertext Transfer Protocol (HTTPS)</li> <li>• VLAN</li> <li>• Real-Time Transport Protocol (RTP)</li> <li>• Real-Time Control Protocol (RTCP)</li> <li>• Cisco Discovery Protocol</li> <li>• LLDP (including LLDP-MED)</li> <li>• Switch speed auto-negotiation</li> </ul>
<b>Security features</b>	<ul style="list-style-type: none"> <li>• Secure credential storage</li> <li>• Image authentication</li> <li>• Random bit generation</li> <li>• Manufacturer-installed certificates (MIC)</li> <li>• Ethernet 802.1X supplicant options: Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST) and Extensible Authentication Protocol-Transport Layer Security (EAP-TLS)</li> <li>• Signaling authentication and encryption using TLS v1.2</li> <li>• Media authentication and encryption using SRTP</li> <li>• HTTPS for client and server</li> <li>• Secure Shell (SSH) Protocol server</li> </ul>
<b>Physical dimensions (H x W x D)</b>	• 8.90 x 8.90 x 2.14 in. (226 x 226 x 54.4 mm)
<b>Weight</b>	• 2.0 lb (0.907 kg)
<b>Phone-casing composition</b>	• Acrylonitrile butadiene styrene (ABS) textured plastic; Cisco cosmetic class A
<b>Operational temperature</b>	• 32° to 104°F (0° to 40°C)
<b>Nonoperational temperature shock</b>	• 14° to 140°F (-10° to 60°C)
<b>Humidity</b>	<ul style="list-style-type: none"> <li>• Operating 10% to 90%, noncondensing</li> <li>• Nonoperating 10% to 95%, noncondensing</li> </ul>
<b>Language support</b>	<ul style="list-style-type: none"> <li>• Arabic (Arabic Area)</li> <li>• Bulgarian (Bulgaria)</li> <li>• Catalan (Spain)</li> <li>• Chinese (China)</li> <li>• Chinese (Hong Kong)</li> <li>• Chinese (Taiwan)</li> <li>• Croatian (Croatia)</li> <li>• Czech (Czech Republic)</li> <li>• Danish (Denmark)</li> <li>• Dutch (Netherlands)</li> <li>• English (United Kingdom)</li> <li>• Estonian (Estonia)</li> <li>• French (France)</li> <li>• Finnish (Finland)</li> <li>• German (Germany)</li> <li>• Greek (Greece)</li> <li>• Hebrew (Israel)</li> <li>• Hungarian (Hungary)</li> <li>• Italian (Italy)</li> <li>• Japanese (Japan)</li> <li>• Latvian (Latvia)</li> <li>• Lithuanian (Lithuania)</li> <li>• Korean (Korea Republic)</li> <li>• Norwegian (Norway)</li> <li>• Polish (Poland)</li> <li>• Portuguese (Portugal)</li> </ul>

Feature	Specifications
	<ul style="list-style-type: none"> <li>• Portuguese (Brazil)</li> <li>• Romanian (Romania)</li> <li>• Russian (Russian Federation)</li> <li>• Spanish (Columbia)</li> <li>• Spanish (Spain)</li> <li>• Slovak (Slovakia)</li> <li>• Swedish (Sweden)</li> <li>• Serbian (Republic of Serbia)</li> <li>• Serbian (Republic of Montenegro)</li> <li>• Slovenian (Slovenia)</li> <li>• Thai (Thailand)</li> <li>• Turkish (Turkey)</li> </ul>
<b>Certifications and compliance</b>	<ul style="list-style-type: none"> <li>• Regulatory Compliance <ul style="list-style-type: none"> <li>◦ CE Markings per directives 2014/30/EU and 2014/53/EU and 2014/35/EU</li> </ul> </li> <li>• Safety <ul style="list-style-type: none"> <li>◦ UL 60950 Second Edition</li> <li>◦ CAN/CSA-C22.2 No. 60950 Second Edition</li> <li>◦ EN 60950 Second Edition (including A11 &amp; A12)</li> <li>◦ IEC 60950 Second Edition (including A11 &amp; A12)</li> <li>◦ AS/NZS 60950</li> <li>◦ GB4943</li> </ul> </li> <li>• EMC - Emissions <ul style="list-style-type: none"> <li>◦ 47CFR Part 15 (CFR 47) Class B</li> <li>◦ AS/NZS CISPR32</li> <li>◦ CISPR32</li> <li>◦ EN55032</li> <li>◦ ICES003 Class B</li> <li>◦ VCCI Class B</li> <li>◦ EN61000-3-2</li> <li>◦ EN61000-3-3</li> <li>◦ KN22 Class B</li> </ul> </li> <li>• EMC - Immunity <ul style="list-style-type: none"> <li>◦ EN55024</li> <li>◦ CISPR24</li> <li>◦ KN24</li> <li>◦ Armadillo Light</li> </ul> </li> <li>• Telecom <ul style="list-style-type: none"> <li>◦ AS/ACIF S004</li> <li>◦ NZ PTC 220</li> <li>◦ Industry standards: TIA 810 and TIA 920</li> <li>◦ Industry standards: IEEE 802.3 Ethernet, IEEE 802.3af and 802.3at</li> </ul> </li> <li>• Radio <ul style="list-style-type: none"> <li>◦ FCC Part 2.1093 (BT RF Exposure TR)</li> <li>◦ RSS-102 (BT RF Exposure TR)</li> <li>◦ RSS-210</li> <li>◦ EN 300.328</li> <li>◦ EN50385 (BT RF Exposure TR)</li> <li>◦ EN 301-489-1</li> <li>◦ EN 301-489-17</li> <li>◦ NCC LP0002</li> </ul> </li> </ul>

## Product Specifications

Table 3 gives ordering information for the phone and its accessories.

**Table 3.** Ordering Information

Product Number	Description
CP-7832-K9=	• Cisco IP Conference Phone 7832, Cisco Smoke
CP-7832-W-K9=	• Cisco IP Conference Phone 7832, Cisco White
CP-7832-PWR-SPL=	• POE power cable to work with Power Cube 3/Power Adapter 3 for POE incapable LAN switches
CP-PWR-CUBE-3=	• Cisco Power Cube 3 to work with POE power cable for wall power.
CP-PWR-CORD-AP=	• Power Cord Asia Pacific
CP-PWR-CORD-AR=	• Power Cord Argentina
CP-PWR-CORD-AU=	• Power Cord Australia
CP-PWR-CORD-BZ=	• Power Cord Brazil
CP-PWR-CORD-CE=	• Power Cord Europe
CP-PWR-CORD-CN=	• Power Cord China
CP-PWR-CORD-JP=	• Power Cord Japan
CP-PWR-CORD-NA=	• Power Cord North America
CP-PWR-CORD-SW=	• Power Cord Switzerland
CP-PWR-CORD-UK=	• Power Cord United Kingdom
CP-PWR-ADPT-3-AR=	• Cisco Power Adapter 3 with Argentina Clip
CP-PWR-ADPT-3-AU=	• Cisco Power Adapter 3 with Australia Clip
CP-PWR-ADPT-3-BZ=	• Cisco Power Adapter 3 with Brazil Clip
CP-PWR-ADPT-3-CN=	• Cisco Power Adapter 3 with China Clip
CP-PWR-ADPT-3-EU=	• Cisco Power Adapter 3 with European Clip
CP-PWR-ADPT-3-IN=	• Cisco Power Adapter 3 with India Clip
CP-PWR-ADPT-3-KR=	• Cisco Power Adapter 3 with Korea Clip
CP-PWR-ADPT-3-NA=	• Cisco Power Adapter 3 with North America Clip
CP-PWR-ADPT-3-UK=	• Cisco Power Adapter 3 with United Kingdom Clip

## Warranty

The Cisco IP Conference Phone 7832 is covered by a standard 1-year replacement warranty.

## Cisco Unified Communications Services

Cisco and our certified partners can help you set up a secure, dependable Cisco Unified Communications solution, meeting aggressive deployment schedules and accelerating business advantage. Cisco's portfolio of services is based on proven methodologies for unifying voice, video, data, and mobile applications on fixed and mobile networks.

Our unique lifecycle approach to services defines what's needed at each phase of the solution lifecycle. Customized planning and design services help you create a solution that meets your business needs. Award-winning technical support helps you boost your operational efficiency. Remote management services simplify day-to-day operations. And optimization services let you modify and improve your network solution when business needs change.

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