Cisco 7832 IP Conference Phone



Product Name: Cisco 7832 IP Conference Phone
Manufacturer: Cisco Systems
Model Number: CP-7832

Cisco IP Conference Phone 7832
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.
Cisco IP Conference Phone 7832 Key Features

ï¿½ Compact footprint design with 360-degree room coverage and no less than 7-ft (2.1-m) microphone pickup
ï¿½ 3.4-inch (8.6-cm), 384x128-pixel monochrome LCD with backlit LED and antiglare bezel.
ï¿½ Large mute button for easy access from all sides of the device
ï¿½ Single line with a user experience of multiple calls per line, as on other 7800 Series phones.
ï¿½ Secure Hash Algorithm (SHA)-256 enabled for advanced security features.
ï¿½ 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 organisation.

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.
Cisco IP Conference Phone 7832 Technical Specifications
Hardware Features

ï¿½ Ergonomic Design: Sleek form and approachable materials for a differentiated, modern look and feel, 7800 Series interface provides an easy-to-use and traditional telephony-like user experience
ï¿½ Graphical Display: The 384x128 (W x H) monochrome display with white LED backlight provides scrollable access to calling features and text-based XML applications, antiglare and fingerprint-proof bezel offers a crystal clear view of high-resolution LCD
ï¿½ Speakerphone: A full-duplex speakerphone gives you flexibility in placing and receiving calls with hands free
ï¿½ Volume Control: A volume control toggle provides easy decibel level adjustments of the speaker and ringer.
ï¿½ Ethernet Switch: 10/100 BASE-T
ï¿½ Four context-dependent soft keys

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ï¿½ Two-way navigation and select keys
ï¿½ Standard keypad
ï¿½ Volume-control toggle key
ï¿½ Large mute key accessible from all sides

Power Features

ï¿½ 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)
ï¿½ 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.

Call-Control Support

ï¿½ Cisco Unified Communications Manager: 10.5 and later
ï¿½ Cisco Hosted Collaboration Solution: 10.5 and later
ï¿½ Cisco Spark Call: Cisco Spark Call support for Cisco cloud solution

Signaling protocol support

ï¿½ Session Initiation Protocol (SIP)

Audio codec support

ï¿½ G.711a-law and mu-law, wideband (G.722), G.729a, G.729ab, Internet Low Bitrate Codec (iLBC), OPUS

Call Features

ï¿½ + Dialing
ï¿½ Abbreviated dial
ï¿½ Adjustable ring tones and volume levels
ï¿½ Auto-answer
ï¿½ Barge
ï¿½ Call back
ï¿½ Call forward
ï¿½ Call history lists
ï¿½ Call timer
ï¿½ Call waiting
ï¿½ Caller ID
ï¿½ Corporate directory
ï¿½ Conference
ï¿½ Cross Cluster Extension Mobility (EMCC)
ï¿½ Dial from the list
ï¿½ Direct transfer
ï¿½ Do not disturb
ï¿½ Extension Mobility (EM)
ï¿½ Hold/Resume
ï¿½ Immediate divert
ï¿½ Join
ï¿½ Message-waiting indicator
ï¿½ Music on hold (MoH)
ï¿½ Mute
ï¿½ Network profiles (automatic)

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ï¿½ On- and off-network distinctive ringing
ï¿½ Personal directory
ï¿½ Privacy
ï¿½ Predialing before sending
ï¿½ Redial
ï¿½ Shared line
ï¿½ Speed dial (Favorites)
ï¿½ Time and date display
ï¿½ Transfer
ï¿½ Voicemail (Messages)

Quality-of-service (QoS) options

ï¿½ 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

Directories

ï¿½ The phone identifies incoming messages and categorises 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.

Configuration Options

ï¿½ The user can configure IP address assignment statically or through the DHCP client

Network Features

ï¿½ Session Initiation Protocol (SIP) for signaling
ï¿½ Session Description Protocol (SDP)
ï¿½ IPv4
ï¿½ IPv6
ï¿½ User Datagram Protocol (UDP) (used only for Real-Time Transport Protocol [RTP] streams)
ï¿½ Dynamic Host Configuration Protocol (DHCP) client or static configuration
ï¿½ Gratuitous Address Resolution Protocol (GARP)
ï¿½ Domain Name System (DNS)
ï¿½ Trivial File Transfer Protocol (TFTP)
ï¿½ Secure Hypertext Transfer Protocol (HTTPS)
ï¿½ VLAN
ï¿½ Real-Time Transport Protocol (RTP)
ï¿½ Real-Time Control Protocol (RTCP)
ï¿½ Cisco Discovery Protocol
ï¿½ LLDP (including LLDP-MED)
ï¿½ Switch speed auto-negotiation

Security Features

ï¿½ Secure credential storage
ï¿½ Image authentication
ï¿½ Random bit generation
ï¿½ Manufacturer-installed certificates (MIC)
ï¿½ Ethernet 802.1X supplicant options: Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST) and Extensible Authentication Protocol-Transport Layer Security (EAP-TLS)

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ï¿½ Signaling authentication and encryption using TLS v1.2
ï¿½ Media authentication and encryption using SRTP
ï¿½ HTTPS for client and server
ï¿½ Secure Shell (SSH) Protocol server

Physical

ï¿½ Dimensions: 8.90 x 8.90 x 2.14 in. (226 x 226 x 54.4 mm)
ï¿½ Weight: 2.0 lb (0.907 kg)
ï¿½ Phone-casing composition: Acrylonitrile butadiene styrene (ABS) textured plastic; Cisco cosmetic class A
ï¿½ Operational temperature: 32° to 104°F (0° to 40°C)
ï¿½ Nonoperational temperature shock: 14° to 140°F (-10° to 60°C)
ï¿½ Humidity: Operating 10% to 90%, noncondensing, Nonoperating 10% to 95%, noncondensing

Language support

ï¿½ Arabic (Arabic Area),Bulgarian (Bulgaria), Catalan (Spain), Chinese (China), Chinese (Hong Kong), Chinese (Taiwan), Croatian (Croatia), Czech (Czech Republic), Danish (Denmark), Dutch (Netherlands), English (United Kingdom), Estonian (Estonia), French (France), Finnish (Finland), German (Germany), Greek (Greece), Hebrew (Israel), Hungarian (Hungary), Italian (Italy), Japanese (Japan), Latvian (Latvia), Lithuanian (Lithuania), Korean (Korea Republic), Norwegian (Norway), Polish (Poland), Portuguese (Portugal), Portuguese (Brazil), Romanian (Romania), Russian (Russian Federation), Spanish (Columbia), Spanish (Spain), Slovak (Slovakia), Swedish (Sweden), Serbian (Republic of Serbia), Serbian (Republic of Montenegro), Slovenian (Slovenia), Thai (Thailand), Turkish (Turkey)

Regulatory Compliance

ï¿½ CE Markings per directives 2014/30/EU and 2014/53/EU and 2014/35/EU

Safety

ï¿½ UL 60950 Second Edition
ï¿½ CAN/CSA-C22.2 No. 60950 Second Edition
ï¿½ EN 60950 Second Edition (including A11 & A12)
ï¿½ IEC 60950 Second Edition (including A11 & A12)
ï¿½ AS/NZS 60950
ï¿½ GB4943

EMC-Emissions

ï¿½ 47CFR Part 15 (CFR 47) Class B
ï¿½ AS/NZS CISPR32
ï¿½ CISPR32
ï¿½ EN55032
ï¿½ ICES003 Class B
ï¿½ VCCI Class B
ï¿½ EN61000-3-2
ï¿½ EN61000-3-3
ï¿½ KN22 Class B

EMC- Immunity

ï¿½ EN55024

Cisco 7832 IP Conference Phone

ï¿½ CISPR24
ï¿½ KN24
ï¿½ Armadillo Light

Telecom

ï¿½ AS/ACIF S004
ï¿½ NZ PTC 220
ï¿½ Industry standards: TIA 810 and TIA 920
ï¿½ Industry standards: IEEE 802.3 Ethernet, IEEE 802.3af and 802.3at

Radio

ï¿½ FCC Part 2.1093 (BT RF Exposure TR)
ï¿½ RSS-102 (BT RF Exposure TR)
ï¿½ RSS-210
ï¿½ EN 300.328
ï¿½ EN50385 (BT RF Exposure TR)
ï¿½ EN 301-489-1
ï¿½ EN 301-489-17
ï¿½ NCC LP0002

Price: 382.07EUR