


# Cisco IP Phone 7960



The second-generation Cisco IP phones bring state-of-the-art technology to voice communication solutions. Cisco Systems, the worldwide leader in networking for the Internet, now delivers new opportunities for rapid deployment of classic and New World voice applications by providing high-quality voice instruments that use IP transport technology. This allows for the consolidation of data and voice into a single network infrastructure, including a single cable plant, a single switched Ethernet fabric for campus or branch offices, and unified systems for operations, administration, and management (OAM) for data and voice.

The Cisco IP Phone series is a standards-based communication appliance. The Cisco IP series phones can interoperate with IP telephony systems based on Cisco CallManager<sup>1</sup> technology, H.323, or Session Initiated Protocol (SIP) and, in the future, Media Gateway Control Protocol (MGCP), with system-initiated software updates. This multiprotocol capability is an industry first and provides investment protection and migration capability.

The Cisco IP Phone 7960 is a second-generation, full-featured IP phone primarily for manager and executive needs. It provides six programmable line/feature buttons and four interactive soft keys that guide a user through call features and functions. The Cisco IP Phone 7960 also features a large, pixel-based LCD display. The display provides features such as date and time, calling party name, calling party number, and

digits dialed. The graphic capability of the display allows for the inclusion of present and future features.

**Figure 1** Cisco IP Phone 7960



1. Version 3.0 or higher is required.

## Features

The Cisco 7960 is dynamic and designed to grow with system capabilities. Features will keep pace with new changes via software updates to the phone's flash memory. The phone provides many accessibility methods according to user preference. Various methods or paths include buttons, softkeys, a navigation key, and direct access with the use of corresponding digits. Each of the features below will have expanded capabilities in the future:

- **Messages**—The Cisco IP Phone 7960 identifies incoming messages and categorizes them for users on the screen. This allows users to quickly and effectively return calls using direct dial-back capability.
- **Directories**—The corporate directory integrates with the Lightweight Directory Access Protocol (LDAP3) standard directory.
- **Settings**—The Settings feature key allows the user to adjust display contrast and select a ringer tone and volume settings for all audio such as ringer, headset, headset, and speaker. Network Configuration preferences can also be set up. Network configuration is usually set up by the System Administrator. Configuration can either be automatic or manually set up for Dynamic Host Control Protocol (DHCP), Trivial File Transfer Protocol (TFTP), CallManager, and backup CallManagers.
- **Services**—The Cisco 7960 allows users to quickly access diverse information such as weather, stocks, quote of the day or any Web-based information using extensible markup language (XML) to provide a portal to an ever-growing world of features and information.
- **Help**—The online help feature gives users information about the phone's keys, buttons, and features. The pixel display allows for greater flexibility of features and significantly expands the information viewed when using features such as Services, Information, Messages, and Directory. For example, the Directory button can show local and server-based directory information.

The Cisco IP Phone 7960 features high-quality, Polycom, full-duplex speakerphone technology. It also includes an easy-to-use speaker on/off button and microphone mute buttons. These buttons are lit when active.

The internal Cisco two-port Ethernet switch allows for a direct connection to a 10/100BaseTx Ethernet network via an RJ-45 interface with single LAN connectivity for both the phone and a co-located PC. The system administrator can designate separate virtual LANs (VLANs) (802.1Q) for the PC and Cisco IP Phones.

A dedicated headset port eliminates the need for a separate amplifier when using a headset. This allows the handset to remain in its cradle, making headset use simpler. The Cisco IP phone's convenient volume control button provides for easy decibel-level adjustments for the speakerphone, handset, headset, and ringer.

The footstand of the Cisco 7960 is adjustable from flat to 60 degrees to provide optimum display viewing and comfortable use of all buttons and keys. The Cisco IP Phone 7960 can also receive power down the LAN from any of the new Cisco inline power-capable blades and boxes.

For added security, the audible dual-tone multifrequency (DTMF) tones are masked when the speakerphone mode is used.

### **Other Cisco IP Phone 7960 features include:**

- 24+ user-adjustable ring tones
- A hearing-aid-compatible handset (meets American Disabilities Act [ADA] requirements)
- G.711 and G.729a audio compression
- H.323 and Microsoft NetMeeting compatibility
- An IP address assignment—DHCP client or statically configured
- Comfort noise generation and voice activity detection (VAD) programming on a system basis
- EIA/TIA RS-232 port for future add-on options such as line expansion, security access, and more.

### **The phone also includes the following settings:**

- Display contrast
- Ring type



- Network configuration
- Call status

#### Service and Support

Cisco AVVID (Architecture for Voice, Video and Integrated Data) support solutions are designed for one purpose—to ensure customer success by delivering a suite of proactive services. The award-winning Cisco internetworking service and support offerings provide presales network audit planning, design consulting, network implementation, operational support, and network optimization. Cisco interactive knowledge-transfer solutions enhance customer success by leveraging Cisco expertise and experience. By including service and support when purchasing Cisco AVVID products, customers can confidently deploy Cisco AVVID networks using Cisco expertise, experience, and resources.

#### Specifications

- Download firmware changes from Cisco CallManager
- Dimensions: 8<sup>2</sup> x 10.5 x 6 in. (20.32 x 26.67 x 15.24 cm) (H x W x D)
- Phone weight: 3.5 lb (1.6 kg)
- Polycarbonate acrylonitrile butadiene styrene (ABS) plastic in textured dark gray color with silver bezel
- 48 VDC required, supplied locally at the desktop using an optional AC to DC power supply (CP-PWR-CUBE=)

#### **Also requires one of the following country cords:**

- CP-PWR-CORD-NA (North America)
- CP-PWR-CORD-CE (Central Europe)
- CP-PWR-CORD-UK (United Kingdom)
- CP-PWR-CORD-AU (Australia)
- CP-PWR-CORD-JP (Japan)

2. The footstand is adjustable from flat to a maximum angle of 60 degrees. In the flat position (for wall mounting) the height of the phone is 4.25 inches. In the maximum upright position on a desk, the phone is 8 inches.

- CP-PWR-CORD-AP (Asia Pacific)

#### Temperature

- Operating temperature: 32 to 104 F (0 to 40 C)
- Relative humidity: 10 percent to 95 percent (noncondensing)
- Storage temperature: 14 to 140 F (-10 to 60 C)

#### Certification

#### Regulatory Compliance

- CE Marking

#### Safety

- UL-1950
- EN 60950
- CSA-C22.2 No. 950
- IEC 60950
- AS/NZS 3260
- TS 001

#### Electro-Magnetic Compatibility

- 47CFR Part 15 Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZ 3548 Class B
- VCCI Class B
- EN55024

#### Telecom

- FCC CFR47, Part 68
- IC CS-03

## Ordering Information

Table 1 Part Numbers

Part Number	Description
CP 7960	Includes Station User License
CP-7960	Used as spare phone, does not include Station User License
CP-LCKNG-WALLMOUNT and CP-WALLMOUNT-KIT	Optional universal wall mount kits in locking and non-locking versions are available

Cisco standard one-year warranty applies. SMARTnet™ optional service agreement is available.

For More Information on Cisco Products

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