

## Cisco 8851 IP Phone



Product Name: Cisco 8851 IP Phone

Manufacturer: Cisco Systems

Model Number: CP-8851

### Cisco 8851 IP Phone

With the Cisco 8851 IP Phone, you can increase personal productivity through an engaging user experience that is both powerful and easy-to-use. The IP Phone 8851 combines an attractive new ergonomic design with wideband audio for crystal clear voice communications, “always-on” reliability, encrypted voice communications to enhance security, and access to a comprehensive suite of unified communication features from Cisco on-premises and hosted infrastructure platforms. It is also supported on third party hosted call control services.

### Cisco 8851 Key Features

- 5" high-resolution colour display (800x480 pixel)

- 2x Gigabit Ethernet Switch

- PoE IEEE 802.3af/at Class 3 compliant (PSU available separately)

- Wideband audio (G.722)

- 5 SIP accounts (5 programmable line keys)

- Hands-free talking (speaker phone)

- 1 x USB ports

- Compatible with up to 2 x Cisco IP Phone 8800 Key Expansion Modules

In addition, Cisco Intelligent Proximity brings the worlds of desk and mobile together for you when you are using your mobile device at the desk for your work. You can move the audio path over to the Cisco IP Phone 8851 during active mobile calls to take advantage of its superior audio acoustics. An example would be to share a conversation with a colleague who you want to listen in. This capability gives you greater flexibility and a superior user experience when at your desk.

### Cisco 8851 - Technical Specifications

#### Features and Benefits

- Ergonomic design The phone offers an easy-to-use interface and provides a traditional telephony-like user experience.

- Graphical display The 800 x 480, 24-bit color, 5-in. WVGA display provides scrollable access to calling features and text-based

- XML applications.

- Handset The handset is a standard wideband-capable audio handset (connects through an RJ-9 port). The standard coiled cord has a custom end for concealed cable routing beneath the phone (cord length is approximately 21 in. [55 cm] coiled and up to 72 in. [183 cm] extended). The handset is hearing aid-compatible (HAC) and meets Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA). You can achieve Section 508 loudness requirements by using industry-standard inline handset amplifiers such as Walker Equipment W-10 or CE-100 amplifiers. The dial pad is also ADA-compliant. Speaker phone A full-duplex speakerphone gives you flexibility in placing and receiving calls with hands free. For added security, the audible dual tone multifrequency (DTMF) tones are masked when the speakerphone mode is used.

- Analog headset The analog headset jack is a standard wideband-capable RJ-9 audio port.

- AUX port You can use an auxiliary port to support electronic hookswitch control with a third-party headset connected to it.

- USB A side USB port enhances the usability of call handling by enabling wired or wireless headsets, as well as provides up to 500-mA power output at 5V or 2.5W for smartphone charging.

- Ethernet switch An internal 2-port Cisco Ethernet switch allows for a direct connection to a 10/100/1000BASE-T Ethernet network (IEEE 802.3i/802.3u/802.3ab) through a RJ-45 interface with single LAN connectivity for both the phone and a co-located PC. The system administrator can designate separate VLANs (IEEE 802.1Q) for the PC and phone, providing improved security

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and reliability of voice and data traffic. Bluetooth Bluetooth 3.0 Enhanced Data Rate (EDR) Class 1 technology (up to 66-ft [20m] range) is supported. Hands-Free Profile (HFP) is supported for untethered headset connections and voice communications. Phone Book Access Profile (PBAP) is supported for phone book object exchange between devices.

**Keys** The phone has the following keys: Line keys; Soft keys; Back and release keys; Four-way navigation and select keys; Hold/Resume, Transfer, and Conference keys; Messaging, Application, and Directory keys; Standard keypad

### Features and Specification

**Audio codec support** G.711 a-law and mu-law, G.722, G.729a, Internet Low Bitrate Codec (iLBC), and Internet Speech Audio Codec (iSAC)

**Key call features support** + Dialing Abbreviated dialing Adjustable ring tones and volume levels Adjustable display brightness Agent greeting Auto-answer Auto-detection of headset Barge Busy Lamp Field (BLF) Busy Lamp Field (BLF) Pickup Busy Lamp Field (BLF) speed dial Call back Call forward Call forward notification Call filter Call history lists Call park Call pickup Call timer Call waiting Call chaperone Caller ID Corporate directory Conference, including traditional Join feature Cross Cluster Extension Mobility (EMCC) Direct transfer Extension mobility Fast-dial service Forced access codes and client matter codes Group call pickup Hold Intercom Immediate divert Malicious-caller ID Message-waiting indicator (MWI) Meet-me conference Mobility Music on hold (MoH) Mute Network profiles (automatic) On- and off-network distinctive ringing Personal directory Pick Up Pre-dialing before sending Privacy Private Line Automated Ringdown (PLAR) Redial Ring tone per line appearance Service Uniform Resource Locator (URL) Shared line Silent monitoring and recording Speed dial Time and date display Transfer Uniform Resource Identifier (URI) dialing Visual voice mail Voice mail Whisper coaching

**Electronic hookswitch** You can control the hookswitch electronically with a third-party headset connected to either the USB port or auxiliary port, or directly paired with the phone through bluetooth.

**Cisco Intelligent Proximity Audio path moving** sends audio through the IP Phone 8851 for a mobile device-connected call. Call history synchronization allows you to view placed and missed calls of your mobile device from the IP Phone 8851. Contact synchronization allows you to synchronize the contact objects from your mobile device to your IP Phone 8851. Quality-of-service (QoS) options

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.

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

**Security features** Secure boot Secure credential storage Device authentication Configuration file authentication and encryption Image authentication Random bit generation Hardware cryptographic acceleration Certificate Authority Proxy Function (CAPF) Manufacturer-Installed Certificates (MIC) Locally Significant Certificates (LSC) Ethernet 802.1x supplicant options: Extensible Authentication Protocol-Flexible Authentication via Secure

**Tunneling** (EAP-FAST) and Extensible Authentication Protocol-Transport Layer Security (EAP-TLS) Signaling authentication and encryption using TLS Media authentication and encryption using SRTP HTTPS for client and server Secure Shell (SSH) Protocol server Secure Sockets Layer (SSL)-based VPN client

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**Price: £258.70**

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