Cisco 8851 IP Phone



Product Name: Cisco 8851 IP Phone
Manufacturer: Cisco Systems
Model Number: CP-8851

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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

ï¿½ 5" high-resolution colour display (800x480 pixel)
ï¿½ 2x Gigabit Ethernet Switch
ï¿½ PoE IEEE 802.3af/at Class 3 compliant (PSU available separately)
ï¿½ Wideband audio (G.722)
ï¿½ 5 SIP accounts (5 programmable line keys)
ï¿½ Hands-free talking (speaker phone)
ï¿½ 1 x USB ports
ï¿½ 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

ï¿½ Ergonomic design The phone offers an easy-to-use interface and provides a traditional telephony-like user experience.
ï¿½ Graphical display The 800 × 480, 24-bit color, 5-in. WVGA display provides scrollable access to calling features and text-based
ï¿½ XML applications.
ï¿½ 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.
ï¿½ Analog headset The analog headset jack is a standard wideband-capable RJ-9 audio port.
ï¿½ AUX port You can use an auxiliary port to support electronic hookswitch control with a third-party headset connected to it.
ï¿½ USB A side USB port enhances the usability of call handling by enabling wired or wireless headsets, as well asprovides up to 500-mA power output at 5V or 2.5W for smartphone charging.
ï¿½ 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.
ï¿½ 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

ï¿½ 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)
ï¿½ Key call features support + DialingAbbreviated dialingAdjustable ring tones and volume levelsAdjustable display brightnessAgent greetingAuto-answerAuto-detection of headsetcBargeBusy Lamp Field (BLF)Busy Lamp Field (BLF) PickupBusy Lamp Field (BLF) speed dialCallbackCall forwardCall forward notificationCall filterCall history listsCall parkCall pickupCall timerCall waitingCall chaperoneCaller IDCorporate directoryConference, including traditional Join featureCross Cluster Extension Mobility (EMCC)Direct transferExtension mobilityFast-dial serviceForced access codes and client matter codesGroup call pickupHoldIntercomImmediate divertMalicious-caller IDMessage-waiting indicator (MWI)Meet-me conferenceMobilityMusic on hold (MoH)MuteNetwork profiles (automatic)On- and off-network distinctive ringingPersonal directoryPickUpPredialing before sendingPrivacyPrivate Line Automated Ringdown (PLAR)RedialRing tone per line appearanceService Uniform Resource Locator (URL)Shared lineSilent monitoring and recordingSpeed dialTime and date displayTransferUniform Resource Identifier (URI) dialingVisual voice mailVoice mailWhisper coaching
ï¿½ 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.
ï¿½ 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
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.
ï¿½ Network features Session Initiation Protocol (SIP) for signalingSession Description Protocol (SDP)IPv4 and IPv6User Datagram Protocol (UDP) (used only for Real-Time Transport Protocol [RTP] streams)Dynamic Host Configuration Protocol (DHCP) client or static configurationGratuitous Address Resolution Protocol (GARP)Domain Name System (DNS)Trivial File Transfer Protocol (TFTP)Secure Hypertext Transfer Protocol (HTTPS)VLANReal-Time Transport Protocol (RTP)Real-Time Control Protocol (RTCP)Cisco Peer-to-Peer Distribution Protocol (PPDP)Cisco Discovery ProtocolLLDP (including LLDP-MED)Switch speed auto-negotiation
ï¿½ Security features Secure bootSecure credential storageDevice authenticationConfiguration file authentication and encryptionImage authenticationRandom bit generationHardware cryptographic accelerationCertificate Authority Proxy Function (CAPF)Manufacturer-Installed Certificates (MIC)Locally Significant Certificates (LSC)Ethernet 802.1x supplicant options: Extensible Authentication Protocol-Flexible Authentication via Secure
ï¿½ Tunneling (EAP-FAST) and Extensible Authentication Protocol-Transport Layer Security (EAP-TLS)Signaling authentication and encryption using TLSMedia authentication and encryption using SRTPHTTPS for client and serverSecure Shell (SSH) Protocol serverSecure Sockets Later (SSL)-based VPN client

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Price: £258.70