

Cisco 7821 IP Phone



Product Name: Cisco 7821 IP Phone

Manufacturer: Cisco Systems

Model Number: CP-7821

Cisco 7821 IP Phone

The Cisco 7821 2 line is an IP Phone that is cost-effective and high-fidelity, designed to improve your organisation's people-centric communication and reduce operating costs. It combines an attractive new ergonomic design with "always-on" reliability and secure encrypted communications.

Cisco 7821 Key Features

- 3.5" backlit greyscale display (396x162 pixel)
- 2x 10/100 Ethernet Switch
- PoE IEEE 802.3af Class 1 compliant (PSU available separately)
- Wideband audio (G.722)
- 2 SIP accounts (2 programmable line keys)
- Hands-free talking (speakerphone)

The line keys on each model are fully programmable. You can set up keys to support either lines, such as directory numbers, or call features like speed dialing. You can also boost productivity by handling multiple calls for each directory number, using the multi-call per-line appearance feature. Tri-color LEDs on the line keys support this feature and make the phone simpler and easy to use. Fixed function keys on all models give you one-touch access to service, messaging, directory, hold/resume, transfer, and conference features. A full-duplex speakerphone lets you set up clear multi-party conferences for flexible, productive collaboration.

Cisco 7821 - Table 1 lists features and benefits of the Cisco IP Phone 7800 Series

Hardware Features

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

• **Graphical display**

• **White backlit, greyscale, 3.5" 396x162 pixel-based display** on the IP Phone 7821, 7841 and 7861.

• **Non-backlit, greyscale, 3.28" 384x106 pixel-based display** on the IP Phone 7811.

• **Provide 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) for the IP Phone 7821, 7841 and 7861.

• **The default handset is a standard narrowband-capable audio handset** (connects through an RJ-9 port) for the IP Phone 7811, and wideband on handset is available with purchase of additional wideband handset.

• **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.

• **The narrowband handset** (for the IP Phone 7811) produces a magnetic field that attracts small metallic objects such as pins and staples. To avoid possible injuries do not keep small metallic objects close to the handset.

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🔗 Headset

🔗 The analog headset jack is a standard wideband-capable RJ-9 audio port for the IP Phone 7821

🔗 Backlit Indicator

🔗 The phone supports backlit indicators for the audio path keys (handset, headset and speakerphone), select key, line keys, and message waiting.

🔗 Headset key is not available on the IP Phone 7811.

🔗 Volume control

🔗 A volume-control toggle provides easy decibel-level adjustments of the handset, monitor speaker, and ringer.

🔗 Full duplex speakerphone

🔗 Full-duplex speakerphone allows gives you flexibility in placing and receiving calls. For added security, the audible dual tone multifrequency (DTMF) tones are masked when the speakerphone mode is used.

🔗 Bezel

🔗 The IP Phone 7821, 7841 and 7861 include a default black bezel (replaceable), and an optional silver bezel is also available separately.

🔗 The IP Phone 7811 is available with a black bezel

🔗 Dual-position foot stand

🔗 The display is easy to view and the buttons and keys are easy to use. The two-position foot stand supports viewing angles of 30 degrees and 45 degrees; you can remove the foot stand for wall mounting, with mounting holes located on the base of the phone. (IP Phone 7821, 7841 and 7861)

🔗 Only 1 foot-stand position (45 degrees) is supported on the IP Phone 7811.

🔗 Wall-mountable

🔗 The phone can be installed on a wall using optional wall-mount kit (available separately).

🔗 Electronic hook switch

🔗 The hookswitch can be controlled electronically with a third party headset connected to the auxiliary port for the IP Phone 7821, 7841, and 7861.

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• Keys - The phone has the following keys: Line keys; Soft-keys; Two-way navigation and select keys; Hold/Resume, Transfer and Conference keys; Messaging, Service and Directory keys; Standard key pads; Volume control toggle key; Speakerphone, headset and mute keys (Headset key is not available on the IP Phone 7811)

• Ethernet cables

• The IP Phone 7811, 7821, 7841, and 7861: Category 3/5e/6 for 10-Mbps cables with 4 pairs; Category 5/5e/6 for 100-Mbps cables with 4 pairs

• The IP Phone 7841: Category 5/5e/6 for 1000-Mbps cables with 4 pairs

Power Features

• IEEE PoE class 1

• The phone supports IEEE 802.3af PoE (Class 1); power consumption does not exceed 3.84 watts.

• Cisco power cube 3

• This power cube is used as a standard Cisco IP Phone Power Supply for non-PoE deployments.

• Cisco power injector

• The IP Phone 7811, 7821 and 7861 are compatible with Cisco Unified IP Phone Power Injector (CP-PWR-INJ), and 7841 is compatible with Cisco Aironet Power Injector (AIR-PWRINJ5=)

Call-Control Support

• Cisco Unified Communications Manager

• 8.5.1

• 8.6.2

• 9.1.2

• 10.x and later

• Cisco Business Edition 6000

• 8.6.2

• 9.1.2

• 10.x and later

• Cisco Hosted Collaboration Solution

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• 8.6.2 and later (using supported UCM versions above)

• Cisco Unified Survivable Remote Site Telephony

• 8.x and later

Cisco 7821 - Table 2 lists the features and specifications of The Cisco IP Phone 7800 Series Phone Features

• Signaling protocol support

• Session Initiation Protocol (SIP)

• Codec support

• G.711a/μ, G.722, G.729a, iLBC

• Key call features support

• + Dialing (E.164)

• Abbreviated dial

• Adjustable ringing and volume levels

• Adjustable display contrast

• Agent greeting

• Auto-answer

• Auto-detection of headset (Not available on the IP Phone 7811)

• Busy Lamp Field (BLF) (Not available on the IP Phone 7811)

• Call back

• Call forward

• Call history

• Call park

• Call Pickup

• Call timer

• Call waiting

• Caller ID

• cBarge

• Corporate directory

• ConferenceCross Cluster Extension Mobility (EMCC)

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½ Dial from the list

½ Direct transfer

½ Do not disturb
½ Extension Mobility (EM)
½ Forced access codes and client matter codes
½ Group call pickup
½ Hold/resume
½ Immediate divert
½ Intercom (Not available on the IP Phone 7811)
½ Join (Not available on the IP Phone 7811)
½ Message-waiting indicator
½ Meet me conference
½ Mobility
½ Music on hold
½ Mute
½ Network profiles (automatic)
½ On- and off-network distinctive ringing
½ Personal directory
½ Privacy
½ Private Line Automated Ringdown (PLAR)
½ Redial
½ Ring tone per line appearance
½ Shared line
½ Silent monitoring and recording
½ Speed dial
½ Time and date display
½ Transfer
½ Voicemail
½ Whisper coaching

½ Language support

½ Arabic (Arabic Area)
½ Bulgarian (Bulgaria)
½ Catalan (Spain)
½ Chinese (China)
½ Chinese (Hong Kong)
½ Chinese (Taiwan)
½ Croatian (Croatia)
½ Czech (Czech Republic)
½ Danish (Denmark)
½ Dutch (Netherlands)
½ English (United Kingdom)
½ Estonian (Estonia)
½ French (France)
½ Finnish (Finland)
½ German (Germany)
½ Greek (Greece)
½ Hebrew (Israel)
½ Hungarian (Hungary)

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- 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)

- Multiple ring tones

- The phone supports user-adjustable ring tones.

- Directories

- 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

- Quality-of-service (QoS) options

- The phone supports CDP 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.

- Security

- Certificates

- Image authentication

- Device authentication

- File authentication

- Signaling authentication

- Media encryption using Secure Real-Time Transfer Protocol (SRTP) using AES-128

- Signaling encryption using Transport Layer Security (TLS) Protocol using AES-128 or AES-256

- Encrypted configuration files

- 802.1X authentication

- Cryptography

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½ Configuration options

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

½ Physical dimensions (H×W×D)

½ IP Phone 7811: 207 x 195 x 33mm (exclude foot stand)

½ IP Phone 7821: 207 x 206 x 28mm (exclude foot stand)

½ IP Phone 7841: 207 x 206 x 28mm (exclude foot stand)

½ IP Phone 7861: 207 x 265 x 28mm (exclude foot stand)

½ Weight

½ IP Phone 7811: 806g

½ IP Phone 7821: 867g

½ IP Phone 7841: 868g

½ IP Phone 7861: 1053g

½ Display

½ IP Phone 7821, 7841, 7861: 3.5" 396×162 pixels

½ IP Phone 7811: 3.28" 384×106 pixels

½ Ethernet switch

½ The phone has a 10/100BASE-T (The Cisco® IP Phone 7811, 7821 & 7861) or a 10/100/1000BASE-T (The Cisco®

½ IP Phone 7841) Ethernet connection through two RJ-45 ports, one for the LAN connection and the other for a downstream Ethernet device connection like a PC.

½ Phone casing composition

½ Polycarbonate acrylonitrile butadiene styrene (ABS) textured plastic

½ Power requirements

½ The phone is an interoperable IEEE 802.3af PoE (Class 1 device); 48 VDC is required; it can be supplied locally at the desktop using an optional AC-to-DC power supply (CP-PWR-CUBE-3). Use of the power supply also requires the use of one of the corresponding AC country cords.

½ Operational temperature

½ 32 to 104°F (0 to 40°C)

½ Nonoperational temperature shock

½ 14 to 140°F (-10 to 60°C)

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ĩŁ½ Humidity

ĩŁ½ Operating 10% to 90%, non-condensing

ĩŁ½ Non-operating 10% to 95%, non-condensing

ĩŁ½ Cosmetic

ĩŁ½ Cisco cosmetic class A

Price: \$123.87
