CP-7811-K9 Datasheet

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Overview

The Cisco IP Phone 7811 delivers advanced IP Telephony features and crystal clear wideband audio performance to deliver an easy-to-use, full-featured voice communications experience on Cisco on-premises and hosted infrastructure platforms and third party hosted call control. It supports one line (available in charcoal only).

Quick Specs

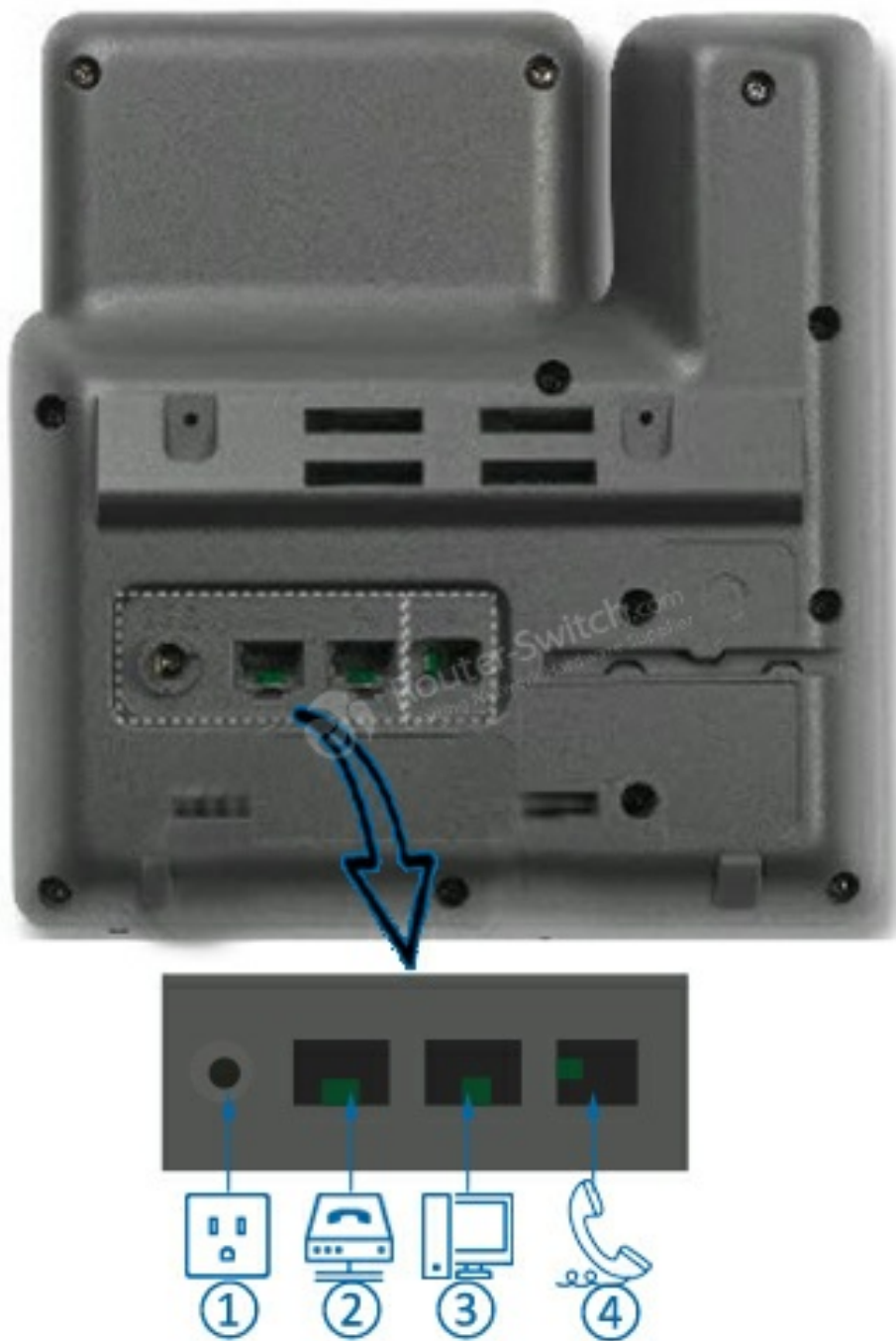**Figure 1 shows the appearance of the CP-7811-K9.**

Table 1 shows the Quick Spec.

Product Code	CP-7811-K9
Screen	384 x 106 pixel (3.28 in. / 83.3 mm)
Ethernet Switch	10/100
Programmable Line Keys	0
Number of Line Keys	0
Full Duplex Speakerphone	Yes (narrowband)
Wideband Audio	Optional*
PoE Class	1
Third-party Call Control	Yes
Replaceable Bezel	No

* IP Phone 7811 offers wideband audio with purchase of a wideband handset.

Product Details

Before you use the Cisco IP Phone 7811, it should be connected to the corporate IP telephony network.

Figure 2 shows the bottom ports of this IP Phone.

Note:

Number	Description
(1)	AC power wall plug (optional)
(2)	Network port (10/100 SW) connection. IEEE 802.3af power enabled.
(3)	Access port (10/100 PC) connection.
(4)	Handset connection.

Figure 3 shows the buttons and hardware.

Note:

Number	Buttons	Number	Buttons
(1)	Handset light strip	(9)	Mute button
(2)	Phone screen	(10)	Keypad
(3)	Softkey buttons	(11)	Volume button
(4)	Navigation and Select button	(12)	Contacts button
(5)	Hold/Resume button	(13)	Applications button
(6)	Conference button	(14)	Messages button
(7)	Transfer button	(15)	Handset
(8)	Speakerphone button		

Compare to Similar Items

Table 2 shows the comparison of Cisco IP Phone 7811, 7821, 7841 and 7861.

Model	CP-7811-K9	CP-7821-K9	CP-7841-K9	CP-7861-K9
Ethernet switch	10/100	10/100	10/100/1000	10/100
Programable line keys	0	2	4	16
Number of Line Keys	0	2	4	16
Full duplex speakerphone	Yes (narrowband)	Yes	Yes	Yes
PoE Class	1	1	1	1
Third-party call control	Planned	Yes	Yes	Yes
Replaceable bezel	N/A	Yes	Yes	Yes

Get more information

Do you have any question about the Cisco IP Phone 7811/K9?

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Specification

CP-7811-K9 Specifications	
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 - Conference - Cross Cluster Extension Mobility (EMCC) - Dial from the list - Direct transfer - Do not disturb - Extension Mobility (EM) - Forced access codes and client matter codes - Group call pickup - Hold/resume - Immediate divert - Intercom (Not available on the IP Phone 7811) - Join (Not available on the IP Phone 7811) - Message-waiting indicator - Meet me conference - Mobility - Music on hold - Mute - Network profiles (automatic) - On- and off-network distinctive ringing - Personal directory - Privacy - Private Line Automated Ringdown (PLAR) - Redial - Ring tone per line appearance - Shared line - Silent monitoring and recording - Speed dial - Time and date display - Transfer - Voicemail - Whisper coaching

Language support	● 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)
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
Configuration options	● The user can configure IP address assignment statically or through the DHCP client.
Physical dimensions (H×W×D)	● IP Phone 7811: 207 x 195 x 33mm (exclude foot stand)
Weight	● IP Phone 7811: 806g
Display	● IP Phone 7811: 3.28" 384×106 pixels
Ethernet switch	● The phone has a 10/100BASE-T or a 10/100/1000BASE-T
Phone casing composition	● Polycarbonate acrylonitrile butadiene styrene (ABS) textured plastic.
Power requirements	● 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.

Operational temperature	● 32 to 104°F (0 to 40°C)
Nonoperational temperature shock	● 14 to 140°F (-10 to 60°C)
Humidity	● Operating 10% to 90%, non-condensing ● Non-operating 10% to 95%, non-condensing
Cosmetic	● Cisco cosmetic class A
Certification and compliance	● Regulatory Compliance ○ CE Markings per directives 2004/108/EC and 2006/95/EC ● Safety ○ UL 60950 Second Edition ○ CAN/CSA-C22.2 No. 60950 Second Edition ○ EN 60950 Second Edition (including A11 & A12) ○ IEC 60950 Second Edition (including A11 & A12) ○ AS/NZS 60950 ○ GB4943 ● EMC - Emissions ○ 47CFR Part 15 (CFR 47) Class B ○ AS/NZS CISPR22 Class B ○ CISPR22: 2005 w/Amendment 1: 2005 Class B ○ EN55022: 2006 w/Amendment 1: 2007 Class B ○ ICES003 Class B ○ VCCI Class B ○ EN61000-3-2 ○ EN61000-3-3 ○ KN22 Class B ● EMC - Immunity ○ EN55024 ○ CISPR24 ○ EN60601-1-2 ○ KN24 ○ Armadillo Light ● Telecom ○ FCC Part 68 HAC ○ CS-03-HAC ○ AS/ACIF S004 ○ AS/ACIF S040 ○ NZ PTC 220 ○ Industry Standards: TIA 810 and TIA 920 ○ Industry Standards: IEEE 802.3 Ethernet, IEEE 802.3af and 802.3at

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