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## Overview

The Cisco IP Phone 7841 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.

### Quick Specs

Figure 1 shows the appearance of the CP-7841-K9.



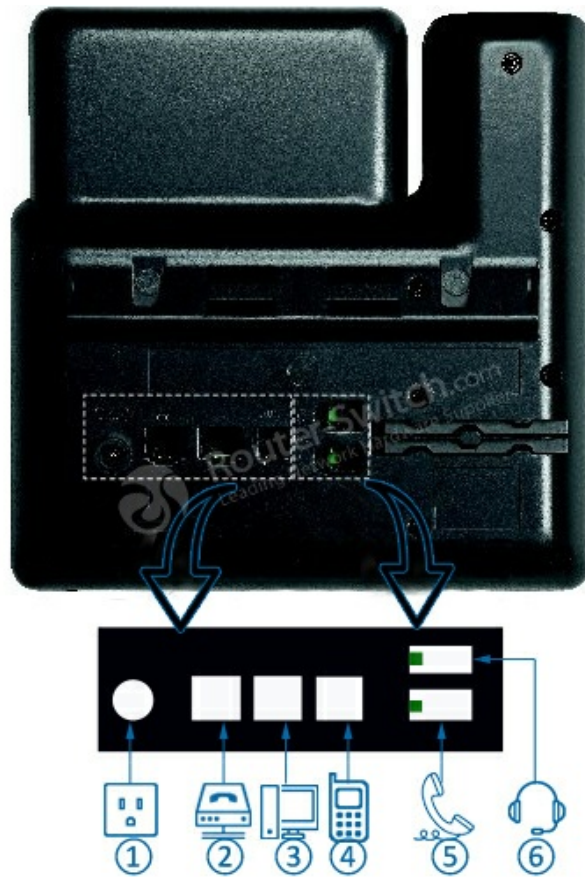
Table 1 shows the Quick Spec.

<b>Product Code</b>	CP-7841-K9
<b>Screen</b>	396 x 162 pixel (3.5 in. / 89 mm)
<b>Ethernet Switch</b>	10/100/1000
<b>Programmable Line Keys</b>	4
<b>Full Duplex Speakerphone</b>	Yes
<b>Number of Line Keys</b>	4
<b>Wideband Audio</b>	Yes
<b>PoE Class</b>	1
<b>Third-party Call Control</b>	Yes
<b>Replaceable Bezel</b>	Yes
<b>Package Weight</b>	1.6 Kg

### Product Details

Before you use the Cisco IP Phone 7841, 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)	Auxiliary port (optional).
(5)	Handset connection.
(6)	Analog headset connection (optional).

Figure 3 shows the buttons and hardware.



Note:

Number	Buttons	Number	Buttons
(1)	Handset light strip	(10)	Headset button
(2)	Programmable feature buttons	(11)	Mute button
(3)	Phone screen	(12)	Keypad
(4)	Softkey buttons	(13)	Volume button
(5)	Navigation and Select button	(14)	Contacts button
(6)	Hold/Resume button	(15)	Applications button
(7)	Conference button	(16)	Messages button
(8)	Transfer button	(17)	Handset
(9)	Speakerphone button		

## Solution

How to use this product to build Network for Small Business (Requires Router & Voice Module)?

See here: [SMB Network Options](#)

## Get more information

Do you have any question about the Cisco IP Phone 7841/K9?

Contact us now via [Live Chat](#) or [sales@router-switch.com](mailto:sales@router-switch.com).

## Specification

## CP-7841-K9 Specifications

<b>Signaling protocol support</b>	<ul style="list-style-type: none"><li>● Session Initiation Protocol (SIP)</li></ul>
<b>Codec support</b>	<ul style="list-style-type: none"><li>● G.711a/μ, G.722, G.729a, iLBC</li></ul>
<b>Key call features support</b>	<ul style="list-style-type: none"><li>● + Dialing (E.164)</li><li>● Abbreviated dial</li><li>● Adjustable ringing and volume levels</li><li>● Adjustable display contrast</li><li>● Agent greeting</li><li>● Auto-answer</li><li>● Auto-detection of headset (Not available on the IP Phone 7811)</li><li>● Busy Lamp Field (BLF) (Not available on the IP Phone 7811)</li><li>● Call back</li><li>● Call forward</li><li>● Call history</li><li>● Call park</li><li>● Call Pickup</li><li>● Call timer</li><li>● Call waiting</li><li>● Caller ID</li><li>● cBarge</li><li>● Corporate directory</li><li>● Conference</li><li>● Cross Cluster Extension Mobility (EMCC)</li><li>● Dial from the list</li><li>● Direct transfer</li><li>● Do not disturb</li><li>● Extension Mobility (EM)</li><li>● Forced access codes and client matter codes</li><li>● Group call pickup</li><li>● Hold/resume</li><li>● Immediate divert</li><li>● Intercom (Not available on the IP Phone 7811)</li><li>● Join (Not available on the IP Phone 7811)</li><li>● Message-waiting indicator</li><li>● Meet me conference</li><li>● Mobility</li><li>● Music on hold</li><li>● Mute</li><li>● Network profiles (automatic)</li><li>● On- and off-network distinctive ringing</li><li>● Personal directory</li><li>● Privacy</li><li>● Private Line Automated Ringdown (PLAR)</li><li>● Redial</li><li>● Ring tone per line appearance</li><li>● Shared line</li><li>● Silent monitoring and recording</li><li>● Speed dial</li><li>● Time and date display</li><li>● Transfer</li><li>● Voicemail</li><li>● Whisper coaching</li></ul>

<b>Language support</b>	<ul style="list-style-type: none"> <li>● Arabic (Arabic Area)</li> <li>● Bulgarian (Bulgaria)</li> <li>● Catalan (Spain)</li> <li>● Chinese (China)</li> <li>● Chinese (Hong Kong)</li> <li>● Chinese (Taiwan)</li> <li>● Croatian (Croatia)</li> <li>● Czech (Czech Republic)</li> <li>● Danish (Denmark)</li> <li>● Dutch (Netherlands)</li> <li>● English (United Kingdom)</li> <li>● Estonian (Estonia)</li> <li>● French (France)</li> <li>● Finnish (Finland)</li> <li>● German (Germany)</li> <li>● Greek (Greece)</li> <li>● Hebrew (Israel)</li> <li>● Hungarian (Hungary)</li> <li>● Italian (Italy)</li> <li>● Japanese (Japan)</li> <li>● Latvian (Latvia)</li> <li>● Lithuanian (Lithuania)</li> <li>● Korean (Korea Republic)</li> <li>● Norwegian (Norway)</li> <li>● Polish (Poland)</li> <li>● Portuguese (Portugal)</li> <li>● Portuguese (Brazil)</li> <li>● Romanian (Romania)</li> <li>● Russian (Russian Federation)</li> <li>● Spanish (Columbia)</li> <li>● Spanish (Spain)</li> <li>● Slovak (Slovakia)</li> <li>● Swedish (Sweden)</li> <li>● Serbian (Republic of Serbia)</li> <li>● Serbian (Republic of Montenegro)</li> <li>● Slovenian (Slovenia)</li> <li>● Thai (Thailand)</li> <li>● Turkish (Turkey)</li> </ul>
<b>Multiple ring tones</b>	<ul style="list-style-type: none"> <li>● The phone supports user-adjustable ring tones.</li> </ul>
<b>Directories</b>	<ul style="list-style-type: none"> <li>● 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.</li> </ul>
<b>Quality-of-service (QoS) options</b>	<ul style="list-style-type: none"> <li>● 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.</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>● Certificates</li> <li>● Image authentication</li> <li>● Device authentication</li> <li>● File authentication</li> <li>● Signaling authentication</li> <li>● Media encryption using Secure Real-Time Transfer Protocol (SRTP) using AES-128</li> <li>● Signaling encryption using Transport Layer Security (TLS) Protocol using AES-128 or AES-256</li> <li>● Encrypted configuration files</li> <li>● 802.1X authentication</li> <li>● Cryptography</li> </ul>
<b>Configuration options</b>	<ul style="list-style-type: none"> <li>● The user can configure IP address assignment statically or through the DHCP client.</li> </ul>
<b>Physical dimensions (H×W×D)</b>	<ul style="list-style-type: none"> <li>● IP Phone 7841: 207 x 206 x 28mm (exclude foot stand)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>● IP Phone 7841: 868g</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>● IP Phone 7841: 3.5" 396×162 pixels</li> </ul>
<b>Ethernet switch</b>	<ul style="list-style-type: none"> <li>● The phone has a 10/100BASE-T or a 10/100/1000BASE-T (The Cisco® 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.</li> </ul>
<b>Phone casing composition</b>	<ul style="list-style-type: none"> <li>● Polycarbonate acrylonitrile butadiene styrene (ABS) textured plastic.</li> </ul>
<b>Power requirements</b>	<ul style="list-style-type: none"> <li>● 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.</li> </ul>

<b>Operational temperature</b>	<ul style="list-style-type: none"> <li>● 32 to 104°F (0 to 40°C)</li> </ul>
<b>Nonoperational temperature shock</b>	<ul style="list-style-type: none"> <li>● 14 to 140°F (-10 to 60°C)</li> </ul>
<b>Humidity</b>	<ul style="list-style-type: none"> <li>● Operating 10% to 90%, non-condensing</li> <li>● Non-operating 10% to 95%, non-condensing</li> </ul>
<b>Cosmetic</b>	<ul style="list-style-type: none"> <li>● Cisco cosmetic class A</li> </ul>
<b>Certification and compliance</b>	<ul style="list-style-type: none"> <li>● Regulatory Compliance <ul style="list-style-type: none"> <li>◦ CE Markings per directives 2004/108/EC and 2006/95/EC</li> </ul> </li> <li>● Safety <ul style="list-style-type: none"> <li>◦ UL 60950 Second Edition</li> <li>◦ CAN/CSA-C22.2 No. 60950 Second Edition</li> <li>◦ EN 60950 Second Edition (including A11 &amp; A12)</li> <li>◦ IEC 60950 Second Edition (including A11 &amp; A12)</li> <li>◦ AS/NZS 60950</li> <li>◦ GB4943</li> </ul> </li> <li>● EMC - Emissions <ul style="list-style-type: none"> <li>◦ 47CFR Part 15 (CFR 47) Class B</li> <li>◦ AS/NZS CISPR22 Class B</li> <li>◦ CISPR22: 2005 w/Amendment 1: 2005 Class B</li> <li>◦ EN55022: 2006 w/Amendment 1: 2007 Class B</li> <li>◦ ICES003 Class B</li> <li>◦ VCCI Class B</li> <li>◦ EN61000-3-2</li> <li>◦ EN61000-3-3</li> <li>◦ KN22 Class B</li> </ul> </li> <li>● EMC - Immunity <ul style="list-style-type: none"> <li>◦ EN55024</li> <li>◦ CISPR24</li> <li>◦ EN60601-1-2</li> <li>◦ KN24</li> <li>◦ Armadillo Light</li> </ul> </li> <li>● Telecom <ul style="list-style-type: none"> <li>◦ FCC Part 68 HAC</li> <li>◦ CS-03-HAC</li> <li>◦ AS/ACIF S004</li> <li>◦ AS/ACIF S040</li> <li>◦ NZ PTC 220</li> <li>◦ Industry Standards: TIA 810 and TIA 920</li> <li>◦ Industry Standards: IEEE 802.3 Ethernet, IEEE 802.3af and 802.3at</li> </ul> </li> </ul>