

Cisco IP Phone 8800 Key Expansion Module

Quickly adapt to market changes. Increase productivity. Improve competitive advantage through speed and innovation. And deliver a rich-media experience across any workspace securely and with the best possible quality. Cisco® Unified Communications Solutions enable the collaboration that makes this possible (Figure 1).

Figure 1. Cisco IP Phone 8800 Key Expansion Module



Product Overview

Call coverage is critical for administrative assistants and others who must monitor and manage the status of calls. It requires the ability to instantly determine the status of numerous lines beyond those of the Cisco IP Phone 8851 and 8861 models.

Cisco IP Phone 8800 Key Expansion Module extends the capabilities of Cisco IP Phone 8851 and 8861 models with additional buttons and a color LCD display. This key expansion module adds 18 physical keys with access to 18 additional keys, using the page keys, for a total of 36 additional keys. You can connect up to three Cisco IP Phone 8800 Key Expansion Modules to the IP Phone 8861, and up to two Cisco IP Phone 8800 Key Expansion Modules to the IP Phone 8851.

The Cisco IP Phone 8800 Key Expansion Module comes with a foot stand and all necessary hardware to connect it directly to the base device in the traditional side-by-side fashion.

Features and Benefits

The large LCD display of the Cisco IP Phone 8800 Key Expansion Module allows for quick and easy identification of associated buttons. Using the settings menu of the IP Phone 8851 and 8861 models, you can adjust the brightness of the individual key-expansion-module LCD according to your preference.

The primary function of the Cisco IP Phone 8800 Key Expansion Module is to provide additional keys for directory numbers, speed dial, or programmable feature keys to the IP Phone 8851 and 8861. These keys are illuminated, and when configured as directory numbers or shared-line keys they allow for easy identification of line status. The Cisco IP Phone 8800 Key Expansion Module is an ideal call-coverage tool. It provides features that are similar, but not intended to be directly comparable to those of traditional direct station selection/busy lamp field (DSS/BLF) modules, therefore it is neither an operator nor an attendant console.

The two illuminated page buttons below the Cisco IP Phone 8800 Key Expansion Module display allow you to shift between the first and second page of 18 buttons, providing access to all 36 keys.

Table 1 describes the features and benefits in more detail.

Table 1. Features and Benefits

Feature	Benefits
Illuminated Buttons	
Off (dark)	Line available
Green, steady	Line in use
Red, steady	Line in use by shared line
Amber, flashing	Line ringing
Illuminated Page Buttons	
Off (dark)	Page not in focus
Green, steady	Page in focus
Amber, flashing	Page not in focus, with one or more alerting or on-hold calls present on page
Hardware and Power-Saving Features	
Graphical display	The 4.3-inch graphical (TFT) color display provides 16-bit color depth and 480 x 272 effective pixel resolution, with backlight. The display also supports localization requiring double-byte Unicode encoding for fonts.
Articulation	You can articulate the display to match the same angle as the Cisco IP Phone 8851 or 8861 that it is connected to.
Directory-number and feature buttons	The module has 18 physical buttons (36 using page keys).
Page buttons	Use the two page buttons to access each page of 18 buttons and provide phone status.
Sleep or inactivity mode	When Cisco IP Phone 8851 and 8861 models are in power-saving sleep or inactivity mode, the Cisco IP Phone 8800 Key Expansion Module is also in sleep or inactivity mode. Pressing any button on the key expansion module causes the display to awaken. The system administrator configures the inactivity period.

Product Specifications

Table 2 describes the hardware product specifications of the Cisco IP Phone 8800 Key Expansion Module.

Table 2. Product Specifications

Feature	Specifications
Physical dimensions (H x W x D)	9.02 x 5.15 x 1.58 in. (229.14 x 130.78 x 40.2 mm)
Weight	1.08 lb (489g)
Power	48 VDC, 117 mA maximum
Operating temperature	32 to 104°F (0 to 40°C)
Relative humidity	10 to 95%
Storage temperature	12 to 140°F (-10 to 60°C)
Approvals and compliance	http://www.cisco.com/en/US/docs/voice_ip_comm/cuipph/all_models/regulatory_compliance/english/install/guide/iphrcsi3.html

System Requirements

Table 3 lists the system requirements for the Cisco IP Phone 8800 Key Expansion Module.

Table 3. System Requirements

Phone Firmware/Call Control Server	Release
Cisco IP Phone 8800 firmware	10.2(2) and later
Call-control compatibility	Cisco Unified Communications Manager Version 8.5(1) and later; Cisco Unified Survivable Remote Site Telephony (SRST) 8.0 (with Cisco IOS Software Release 15.1(1)T) and later

Power Requirements

The Cisco IP Phone 8800 Key Expansion Module doesn't have its own local power supply; it gets power from the attached phones. For more power supply details, please refer to Table 4.

Table 4. Power Supply Compatibility Table

Configuration	802.3af Power over Ethernet (PoE)	802.3at PoE	Cisco IP Phone Power Cube 4
8851 + KEM x 1	Yes	Yes	Yes
8851 + KEM x 2	No	No	Yes
8861 + KEM x 1	No	Yes	Yes
8861 + KEM x 2	No	Yes [*]	Yes
8861 + KEM x 3	No	Yes [*]	Yes

^{*} **Note:** The fast-charging feature on the back USB doesn't work when more than one Key Expansion Module is attached to a Cisco IP Phone 8861.

Ordering Information

To place an order, visit the Cisco Ordering Home Page and refer to Tables 5 and 6.

Table 5. Ordering Information

Product Name	Part Number
Cisco IP Phone 8800 Key Expansion Module	CP-BEKEM=
Cisco Unified IP Phone Power Cube 4	CP-PWR-CUBE-4=
Cisco Unified IP Phone Power Country Cord	CP-PWR-CORD-xx=

Table 6. Ordering Information - AC Country Power Cords

Country Cord	Part Number
Asia Pacific	CP-PWR-CORD-AP=
Argentina	CP-PWR-CORD-AR=
Australia	CP-PWR-CORD-AU=
European Community	CP-PWR-CORD-CE=
China	CP-PWR-CORD-CN=
Japan	CP-PWR-CORD-JP=
North America	CP-PWR-CORD-NA=
Switzerland	CP-PWR-CORD-SW=
United Kingdom	CP-PWR-CORD-UK=

Warranty

Cisco Unified IP Phones are covered by a Cisco standard 1-year replacement warranty.

For More Information

For more information about the Cisco IP Phone 8800 Key Expansion Module, visit <http://www.cisco.com/go/ipphones/8800>, or contact your local Cisco account representative.




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