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Features

The Cisco Firepower 1010 security appliance is an NGFW desktop product in the Cisco Firepower family of devices with Power over Ethernet (PoE+) and L2 switch support.

Note The PoE+ and L2 switch features are supported starting with Firepower Threat Defense (FTD) Version 6.5 and ASA Version 9.13.

See the Cisco Firepower Compatibility Guide, which provides Cisco Firepower software and hardware compatibility, including operating system and hosting environment requirements, for each supported Firepower version.

See Product ID Numbers, on page 12 for a list of the product IDs (PIDs) associated with the Firepower 1010.

The following figure shows the Cisco Firepower 1010.

Figure 1: Firepower 1010



The following table lists the features for the Firepower 1010.

Table 1: Firepower 1010 Features

Feature	Description
Security standards certifications	• Common Criteria (CC) on FTD 6.4.*x* and FX-OS 2.6.*x* • Federal Information Processing Standards (FIPS) 140-2 on FTD 6.4.*x* and FX-OS 2.6.*x* • Department of Defense Information Network Approved Product List (DoDIN APL) • US Government Compliance for IPv6 (USGv6) on FTD 6.4.*x* See the "Security Certifications Compliance" chapter in the Firepower Management Center Configuration Guide, Version 6.7 for the FMC procedures to enable security modes.
Form factor	1 RU
Mounting	Desktop mount Wall mount (Cisco part number 69-100647-01) Rack mount (Cisco part number 69-100648-01)
Airflow	Side-to-side No fan
Processor	One 4-core Intel CPU
Memory	8-GB DDR4 DRAM
Boot partition	8 GB (internal)
L2 switch	Marvell SOHO 88E6390 **Note** First supported in Firepower Version 6.5 and ASA Version 9.13.
Management port	One Gigabit Ethernet RJ-45 10/100/1000 BaseT Restricted to network management access; connect with an RJ-45 cable

Console port	One RJ-45 Use to access management through an external system
USB Mini B port	One USB Mini B Use to access management through an external system
USB port	One USB 3.0 Type A Use to attach an external device such as storage
Network ports	Eight Gigabit Ethernet RJ-45 10/100/1000 BaseT Each RJ-45 (8P8C) copper port supports auto Medium Dependent Interface Crossover (MDI/X) as well as auto-negotiation for interface speed, duplex, and other negotiated parameters, and are MDI/X-compliant. The ports are numbered (from top to bottom, left to right) 1, 2, 3, 4, 5, 6, 7, 8. Each port includes a pair of LEDs, one each for connection status and link status. The ports are named and numbered Gigabit Ethernet 1/1 through Gigabit Ethernet 1/8. **Note** You can use ports 7 and 8 as PoE+ ports. PoE+ is first supported in Firepower Version 6.5 and ASA Version 9.13.
PoE+ controller card	**Note** Ports 7 and 8 are PoE+ ports; first supported in Firepower Version 6.5 and ASA Version 9.13.
Lock slot	Accepts a standard Kensington T-bar locking mechanism for securing the chassis
Reset button	A small recessed button that if pressed for longer than three seconds resets the chassis to its default state following the next reboot. Configuration variables are reset to factory default, but the flash is not erased and no files are removed.
Power switch	No System power is controlled by the power cord; there is no power button. To shut down the Firepower 1010, remove the AC power supply.
Power cord socket	The chassis is powered on when you plug in the AC power supply.
AC power supply	One external AC power supply The power supply has a total of 115 W of power. There is 55 W of +12-V system power and 60 W of -53.5-V PoE+ power. **Note** PoE+ is first supported in Firepower Version 6.5 and ASA Version 9.13. **Note** Use the power supply (part number 341-100765-01) that shipped with the chassis. It supports PoE+.

Storage	One 200-GB M.2 SATA SSD drive The drive is used by the software; there is no user access to the drive. The drive is not field-replaceable; you must return the chassis to Cisco for drive replacement.
Rubber feet	Four rubber feet on the bottom of the chassis **Note** The rubber feet are needed for proper cooling. Do not remove them.

Console Ports

The Firepower 1010 has two external console ports, a standard RJ-45 port and a USB Mini B serial port. Only one console port can be active at a time. When a cable is plugged into the USB console port, the RJ-45 port becomes inactive. Conversely, when the USB cable is removed from the USB port, the RJ-45 port becomes active. The console ports do not have any hardware flow control. You can use the CLI to configure the chassis through either serial console port by using a terminal server or a terminal emulation program on a computer.

- RJ-45 (8P8C) port—Supports RS-232 signaling to an internal UART controller. The RJ-45 console port does not support a remote dial-in modem. You can use a standard management cable (Cisco part number 72-3383-01) to convert the RJ45-to-DB9 connection if necessary.
- USB Mini B port—Lets you connect to a USB port on an external computer. For Linux and Macintosh systems, no special driver is required. For Windows systems, you must download and install a USB driver (available on software.cisco.com). You can plug and unplug the USB cable from the console port without affecting Windows HyperTerminal operations. We recommend shielded USB cables with properly terminated shields. Baud rates for the USB console port are 1200, 2400, 4800, 9600, 19200, 38400, 57600, and 115200 bps.



Note For Windows operating systems, you must install a Cisco Windows USB Console Driver on any PC connected to the console port before using the USB console port. See Connect to the Console Port with Microsoft Windows for information on installing the driver.

External Flash Storage

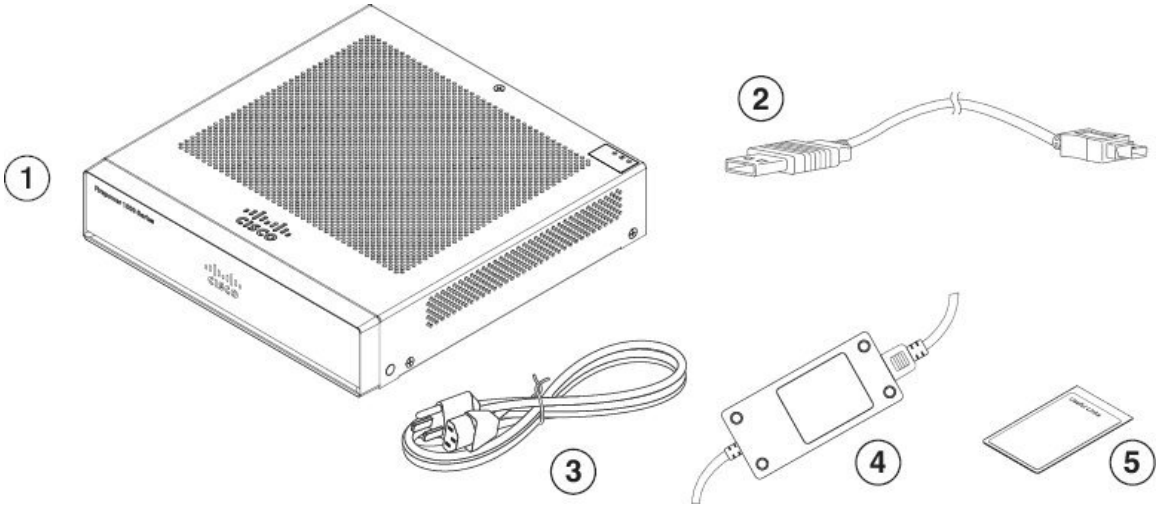
The chassis contains a standard USB Type A port that you can use to attach an external device. The USB port can provide output power of 5 V and up to a maximum of 1A (5 USB power units).

- External USB drive (optional)—You can use the external USB Type A port to attach a data-storage device. The external USB drive identifier is *disk1*. When the chassis is powered on, a connected USB drive is mounted as disk1 and is available for you to use. Additionally, the file-system commands that are available to disk0 are also available to disk1, including **copy**, **format**, **delete**, **mkdir**, **pwd**, **cd**, and so on.
- FAT-32 File System—The Firepower 1010 only supports FAT-32-formatted file systems for the external USB drive. If you insert an external USB drive that is not in FAT-32 format, the system mounting process fails, and you receive an error message. You can enter the command **format disk1:** to format the partition to FAT-32 and mount the partition to disk1 again; however, data might be lost.

Package Contents

The following figure shows the package contents for the Firepower 1010. Note that the contents are subject to change and your exact contents might contain additional or fewer items.

Figure 2: Firepower 1010 Package Contents



1	Chassis	**2**	USB console cable (Type A to Type B)
3	Power cord	**4**	Power supply
5	*Cisco Firepower 1010* This document has a URL pointing to the hardware installation guide, a URL pointing to the regulatory and safety guide, and a QR code and URL pointing to the Getting Started Guide.		

QR Code Sticker

The QR code sticker on the front panel of the chassis points to the Firepower Easy Deployment Guide for Cisco Firepower 1000 or 2100 Firewalls that explains low touch provisioning (LTP). LTP allows anyone to connect a new Firepower 1010 to a network so that the IT department can onboard the device to CDO and configure it remotely. CDO supports Firepower Threat Defense (FTD) version 6.7 and later.

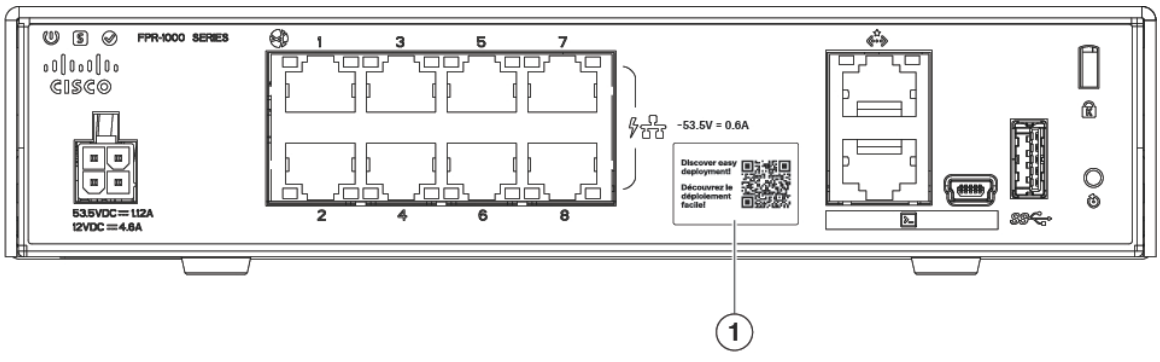
The following figure shows the QR code sticker.

Figure 3: QR Code Sticker



The following figure shows the placement of the QR code sticker on the front panel of the chassis.

Figure 4: QR Code on 1010

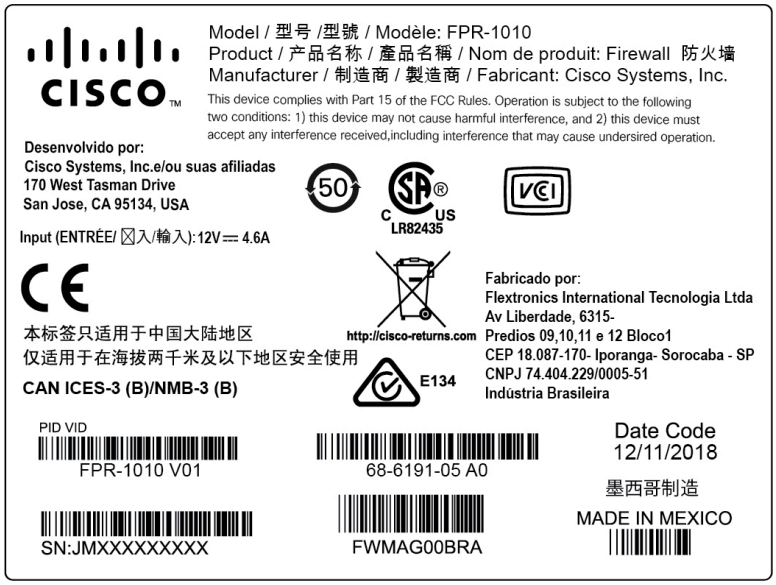


1	QR code sticker		

Serial Number Location

You can view the serial number and additional model information on the compliance label located on the bottom of the chassis. The following figure shows a sample compliance label.

Figure 5: Compliance Label on the Firepower Chassis



Front Panel

The following figure shows the front panel of the Firepower 1010. Note that there are no connectors or LEDs on the front panel.

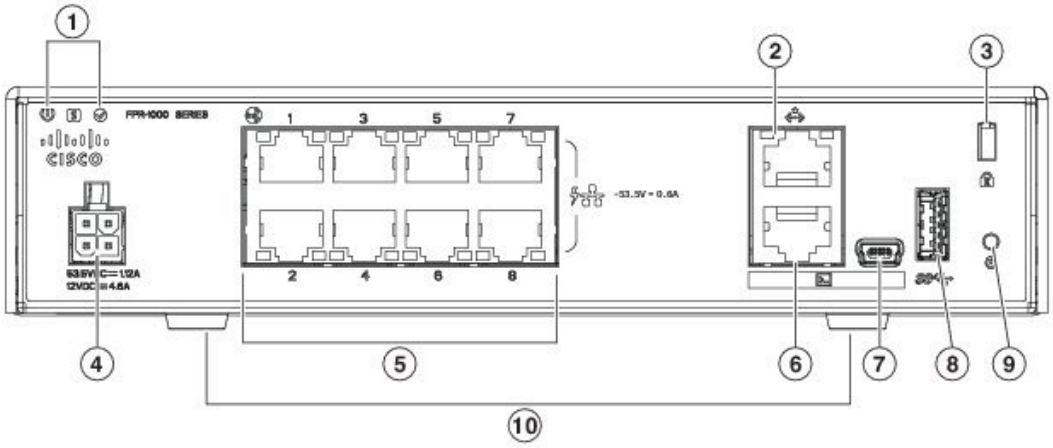
Figure 6: Firepower 1010 Front Panel



Rear Panel

The following figure shows the rear panel of the Firepower 1010. See Status LEDs, on page 8 for a description of the LEDs.

Figure 7: Firepower 1010 Rear Panel



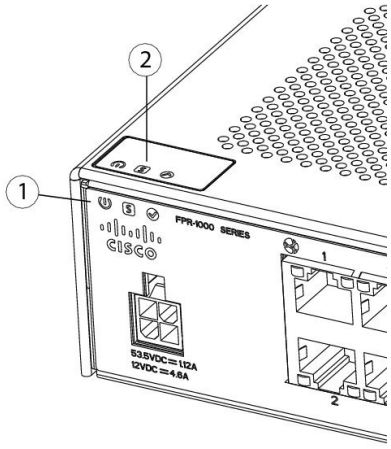
1	Status LEDs	**2**	Management port
3	Lock slot	**4**	Power cord socket
5	Network data ports	**6**	Console port
7	USB Mini B port	**8**	USB Type A port
9	Reset button	**10**	Rubber feet

Status LEDs

Facing the rear of the chassis, the LEDs are located on the top left edge (facing the front of the chassis, they are in the back right corner of the top). The network port LEDs are at the top sides of each network port.

The following figure shows the status LEDs on the rear panel and on the cover of the chassis.

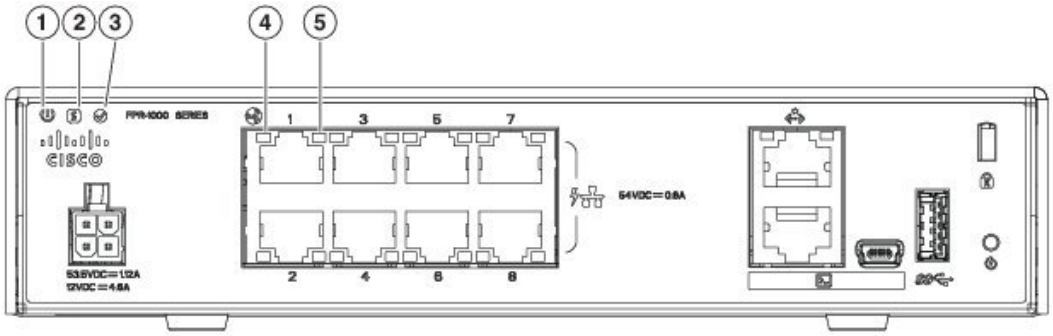
Figure 8: Firepower 1010 Status LEDs



1	Power, Status, and Active LEDs on rear of chassis	**2**	Power, Status, and Active LEDs on top of chassis

The following figure shows all of the LEDs on the rear panel and describes their states.

Figure 9: Firepower 1010 Rear Panel LEDs



1	**Power**
	Power supply status:
	• Off —Power supply off.
	• Green—Power supply on.
		2	**Status**
			System operating status:
			• Off—System has not booted up yet.
			• Green, flashing quickly—System is booting up.
			• Green—Normal system function.
			• Amber—Critical alarm indicating one or more of the following:
			  • Major failure of a hardware or software component.
			  • Over-temperature condition.
			  • Power voltage outside the tolerance range.
			• Green, flashing slowly (twice in 5 seconds)—Cloud connected.
			Note Cisco Defense Orchestrator (CDO) is valid for FTD 6.7 and later.
			• Green and amber, flashing—Cloud connection failure.
			• Green—Cloud disconnected.
			Note The CDO LED pattern applies to low touch provisioning (LTP). See the Firepower Easy Deployment Guide for Cisco Firepower 1000 or 2100 Firewalls for more information.

3	**Active** Status of the failover pair: • Off— Failover is not operational. • Green—Failover pair operating normally. The LED is green always unless the chassis in a high availability pair. • Amber—When the chassis is in a high availability pair, the LED is amber for the standby unit.	4	**Network** Status of the network ports. Link status (L): • Off—No link, or port is not in use. • Green—Link established. • Green, flashing—Link activity.

5	**Network** Status of the network ports. Connection-speed status (S): • Green, flashing—One flash every three seconds = 10 Mbps. • Green, flashing—Two rapid flashes = 100 Mbps. • Green, flashing—Three rapid flashes = 1000 Mbps.		

Hardware Specifications

The following table contains hardware specifications for the Firepower 1010.

Table 2: Firepower 1010 Hardware Specifications

Dimensions (H x W x D)	1.82 x 7.85 x 8.07 in. (4.62 x 19.94 x 20.50 cm)
Weight	3 lb (1.36 kg)
System power	30 W Not including any PoE devices connected to the chassis. 55 W is the maximum power for the power supply. **Note** PoE+ is first supported in FTD Version 6.5. **Note** Use the power supply (part number 341-100765-01) that shipped with the chassis. It supports PoE+.
Temperature	Operating: 32 to 104°F (0 to 40°C) Derate the maximum operating temperature 1.5° C per 1000 ft above sea level. Nonoperating: -13 to 158°F (-25 to 70°C) maximum altitude is 40,000 ft
Humidity	Operating: 90% Nonoperating: 10 to 90%
Altitude	Operating: 0 to 9843 (3000 m) Nonoperating: 0 to 15,000 ft (4570 m)
Acoustic noise	0 dBa

Product ID Numbers

The following table lists the field-replaceable PIDs associated with the Firepower 1010. The spare components are ones that you can order and replace yourself. If any internal components fail, you must get a return material authorization (RMA) for the entire chassis. See the Cisco Returns Portal for more information.

Note See the **show inventory** command in the Cisco Firepower Threat Defense Command Reference or the Cisco ASA Series Command Reference to display a list of the PIDs for your Firepower 1010.

Table 3: Firepower 1010 PIDs

PID	Description
FPR1010-NGFW-K9	Cisco Firepower 1010 NGFW desktop appliance
FPR1K-DT-ACY-KIT	Cisco Firepower 1010 accessory kit
FPR1K-DT-PWR-AC	Cisco Firepower 1010 115-W power supply
FPR1K-DT-PWR-AC=	Cisco Firepower 1010 115-W power supply (spare)
FPR1K-DT-RACK-MNT=	Cisco Firepower 1010 rack-mount kit (spare)
FPR1K-DT-WALL-MNT=	Cisco Firepower 1010 wall-mount kit (spare)

Power Cord Specifications

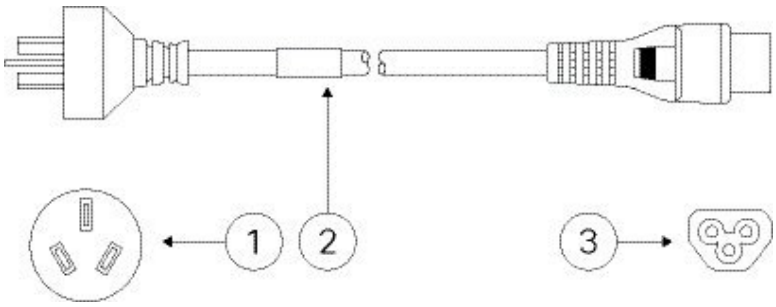
Each power supply has a separate power cord. Standard power cords or jumper power cords are available for connection to the security appliance. The jumper power cords for use in racks are available as an optional alternative to the standard power cords.

If you do not order the optional power cord with the system, you are responsible for selecting the appropriate power cord for the product. Using a incompatible power cord with this product may result in electrical safety hazard. Orders delivered to Argentina, Brazil, and Japan must have the appropriate power cord ordered with the system.

Note Only the approved power cords or jumper power cords provided with the chassis are supported.

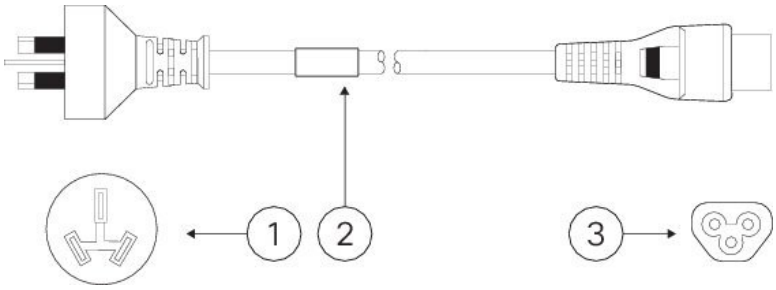
The following power cords are supported.

Figure 10: Argentina (CAB-AC-C5-ARG)



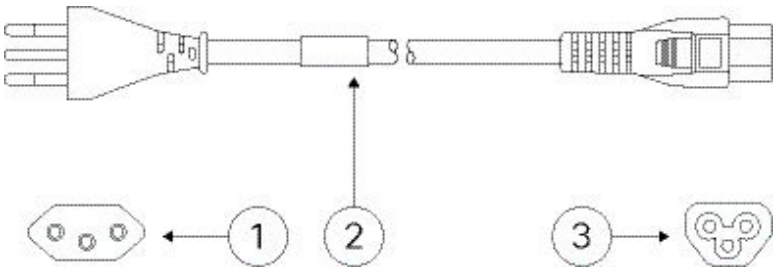
1	Plug: IRAM 2073	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 11: Australia (CAB-AC-C5-AUS)



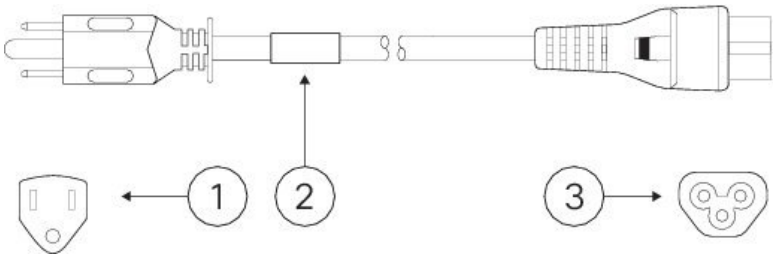
1	Plug: AUS 10S3	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 12: Brazil (CAB-AC-C5-BRA)



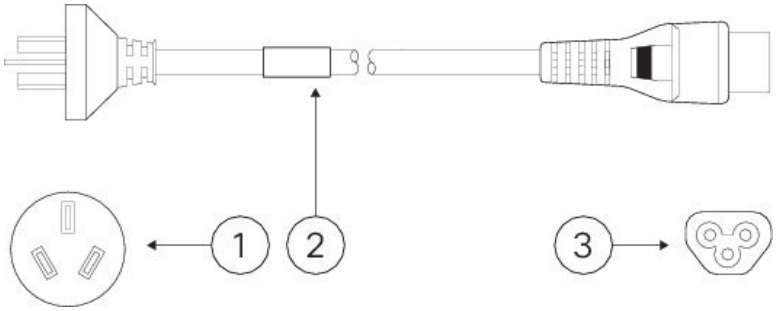
1	Plug: NBR 14136	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 13: Canada (CAB-AC-C5)



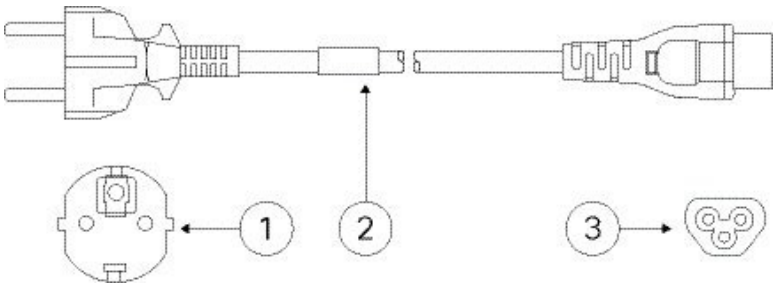
1	Plug: NEMA 5-15P	**2**	Cord set rating: 2.5 A, 125 V
3	Connector: IEC 60320/C5		

Figure 14: China (CAB-AC-C5-CHI)



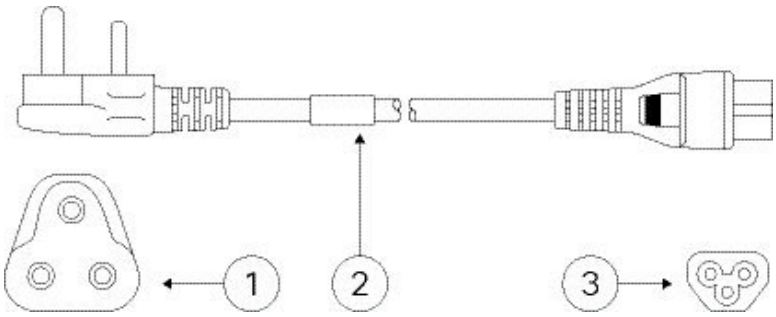
1	Plug: GB 2099.1	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 15: Europe (CAB-AC-C5-EUR)



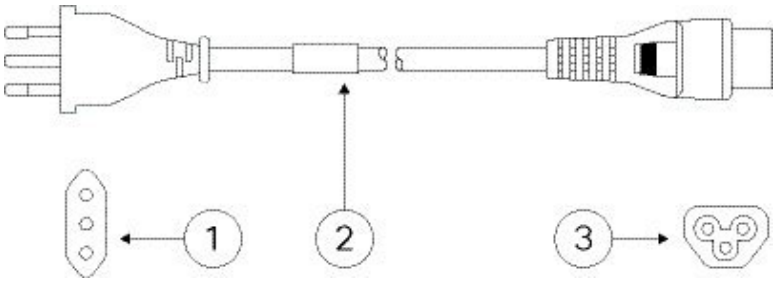
1	Plug: CEE 7 VII	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 16: India (CAB-AC-C5-IND)



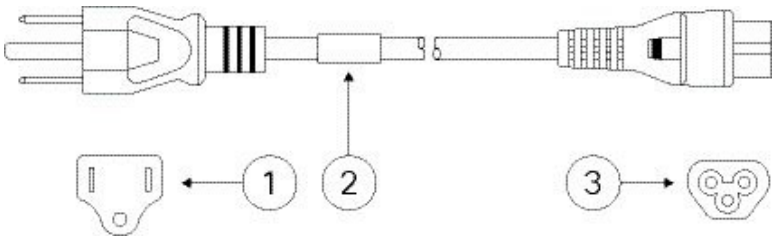
1	Plug: IS 1293	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 17: Italy (CAB-AC-C5-ITA)



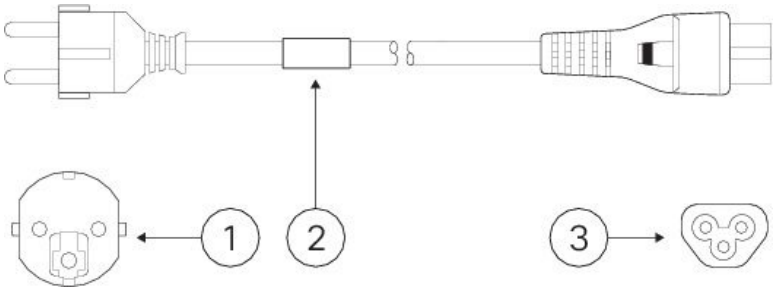
1	Plug: CEI 23-06/VII	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 18: Japan (CAB-AC-C5-JAP)



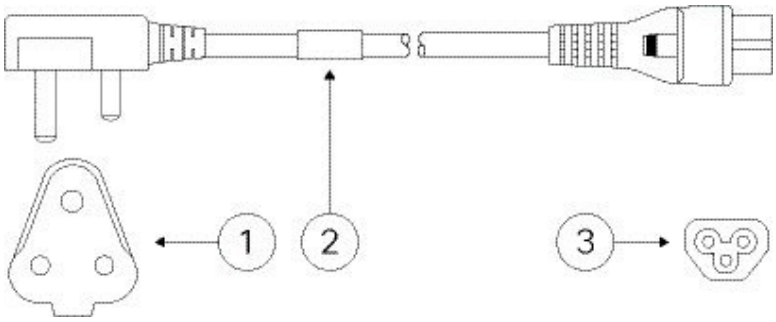
1	Plug: JIS C8303	**2**	Cord set rating: 3 A, 125 V
3	Connector: IEC 60320/C5		

Figure 19: Korea (CAB-AC-C5-KOR)



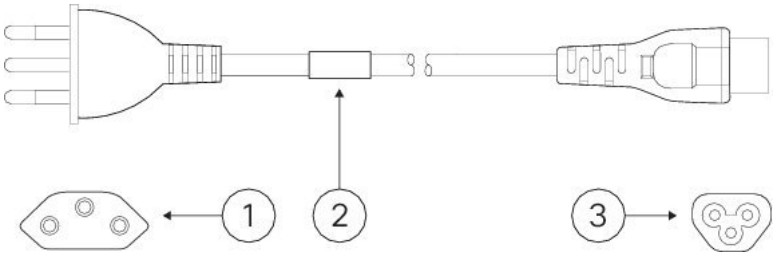
1	Plug: KSC 83205	**2**	Cord set rating: 3.0 A, 250 V
3	Connector: IEC 60320/C5		

Figure 20: South Africa (CAB-AC-C5-SAF)



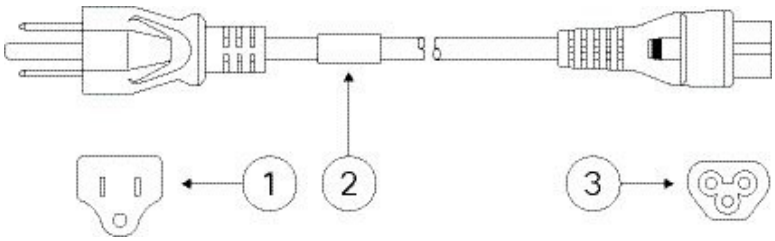
1	Plug: SABS 164-1	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 21: Switzerland (CAB-AC-C5-SWI)



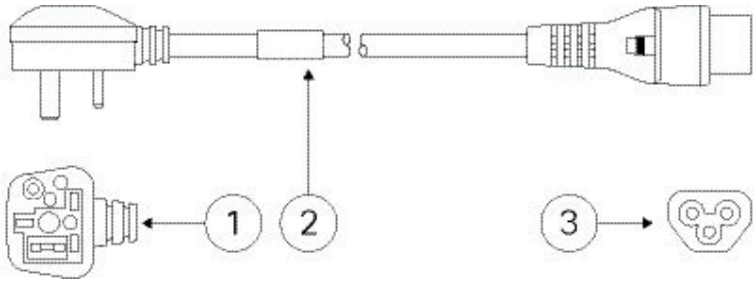
1	Plug: SEV 1011	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		

Figure 22: Taiwan (CAB-AC-C5-TWN)



1	Plug: CNS 10917-2	**2**	Cord set rating: 2.5 A, 125 V
3	Connector: IEC 60320/C5		

Figure 23: United Kingdom (CAB-AC-C5-UK)



1	Plug: BS1363A/SS145	**2**	Cord set rating: 2.5 A, 250 V
3	Connector: IEC 60320/C5		