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Features

The Cisco Firepower 1010 and 1010E are a series of compact network security appliances that are supported by Cisco Secure Firewall Threat Defense and Cisco Secure Firewall ASA.

The following figure shows the Cisco Firepower 1010 and 1010E.

Figure 1: Cisco Firepower 1010 and 1010E



The following table lists the features for the Firepower 1010 and 1010E.

Table 1: Firepower 1010 and 1010E features

Feature	1010	1010E
Form factor	Compact, or 2 RU for the rack-mount shelf	
Mounting	• Desktop mount • Wall mount • Rack mount	
Airflow	Side-to-side No fan **Note** Because the Firepower 1010 and 1010E have no fan, the internal system temperature is significantly higher than the ambient temperature cited in the specifications.	
System memory	8-GB	
L2 switch	First supported in Firewall Threat Defense Version 6.5 and ASA Version 9.13	
Management port	One Gigabit Ethernet RJ-45 10/100/1000 BaseT	
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 **Note** You can use ports 7 and 8 as PoE+ ports. PoE+ is first supported in Firewall Threat Defense Version 6.5 and ASA Version 9.13.	Eight Gigabit Ethernet RJ-45 10/100/1000 BaseT
PoE+ ports	Ports 7 and 8 are PoE+ ports. PoE+ is first supported in Firewall Threat Defense Version 6.5 and ASA Version 9.13.	Not supported
Lock slot	Accepts a standard Kensington T-bar locking mechanism for securing the chassis	

Feature	1010	1010E
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 switch. To shut down the Firepower 1010 or 1010E, 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 150-W AC power supply There are 150 W of +12 VDC system power. **Note** PoE+ is first supported in Firewall Threat Defense Version 6.5 and ASA Version 9.13.	One external 66-W AC power supply There are 66 W of +12 VDC system power.
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.	

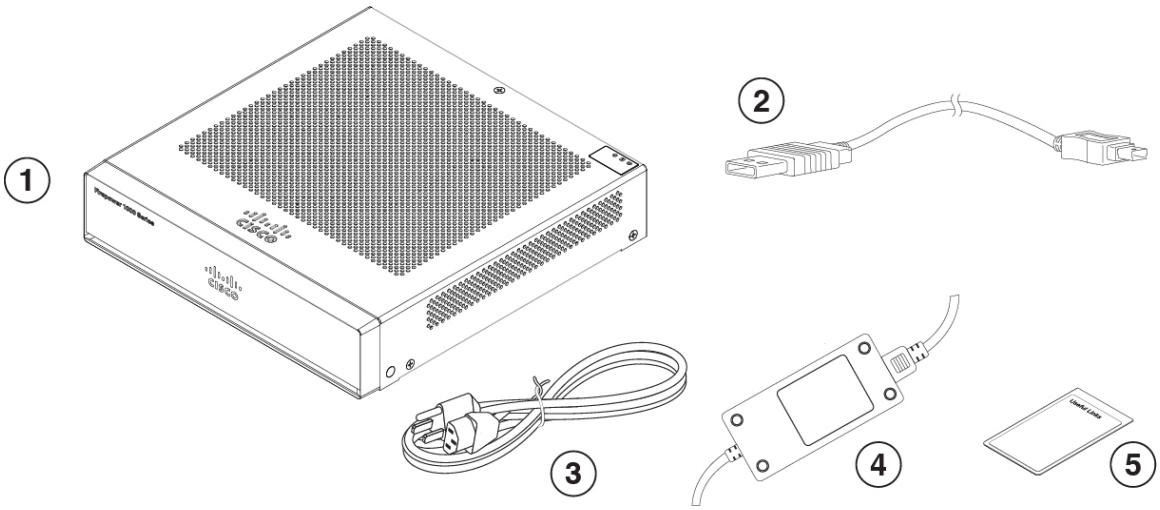
Related Topics

Management, console, USB, and network ports, on page 7
Hardware specifications, on page 12
Cisco Secure Firewall Threat Defense Compatibility Guide
Cisco Secure Firewall ASA Compatibility

Package contents

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

Figure 2: Firepower 1010 and 1010E package contents



1	Chassis	**2**	USB console cable (Type A to Mini Type B) Part number 37-1977-01 Optional; in package if ordered
3	Country-specific power cord Optional; in package if ordered	**4**	Power supply
5	*Cisco Secure Firepower 1010* This document has a URL and QR code that point to the Digital Documentation Portal. The portal contains links to the product information page, the hardware installation guide, the regulatory and safety information guide, the getting started guide, and the zero-touch provisioning guide.		—

Related Topics

Power cord specifications, on page 14

QR code sticker

The QR code sticker on the rear panel of the chassis points to the easy deployment guide document that explains zero-touch provisioning. Zero-touch provisioning allows anyone to connect a new Firepower 1010 to a network so that the IT department can on board the device to Security Cloud Control and configure it remotely.

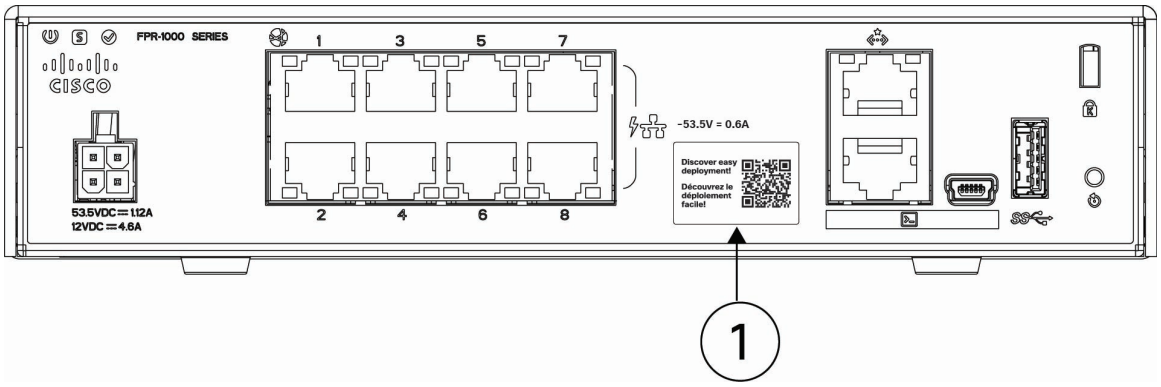
The following figure shows the QR code sticker.

Figure 3: QR code sticker



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

Figure 4: Firepower 1010 and 1010E QR code sticker



1	QR code sticker		—

Related Topics

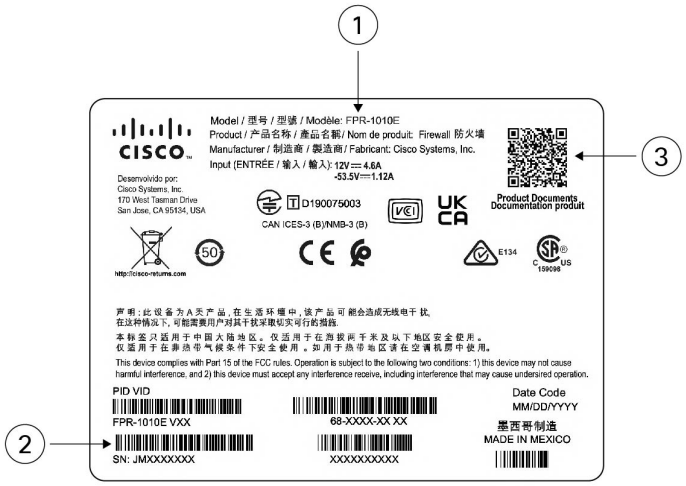
Easy Deployment for Cisco Secure Firewall Threat Defense Using Security Cloud Control

Serial number and compliance label

The compliance label on the bottom of the chassis contains the chassis serial number, regulatory compliance marks, and the Digital Documentation Portal QR code that points to the getting started guide, the regulatory and compliance guide, the zero-touch provisioning guide, and the hardware installation guide.

The following figure shows an example compliance label found on the bottom of the chassis.

Figure 5: Compliance label on the chassis

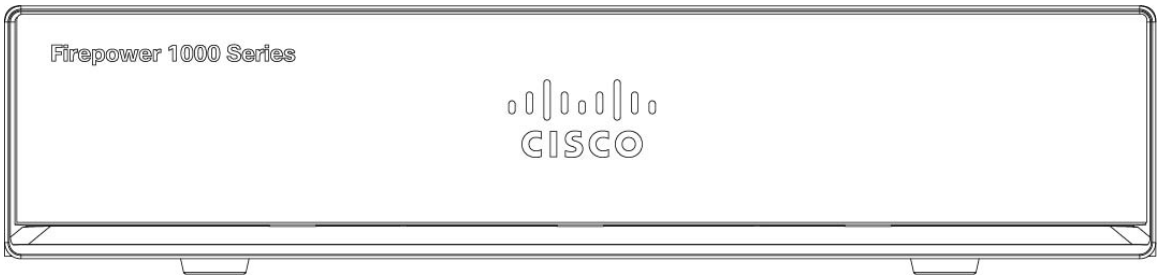


1	Chassis model number	**2**	Chassis serial number
3	Digital Documentation Portal QR code		—

Front panel

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

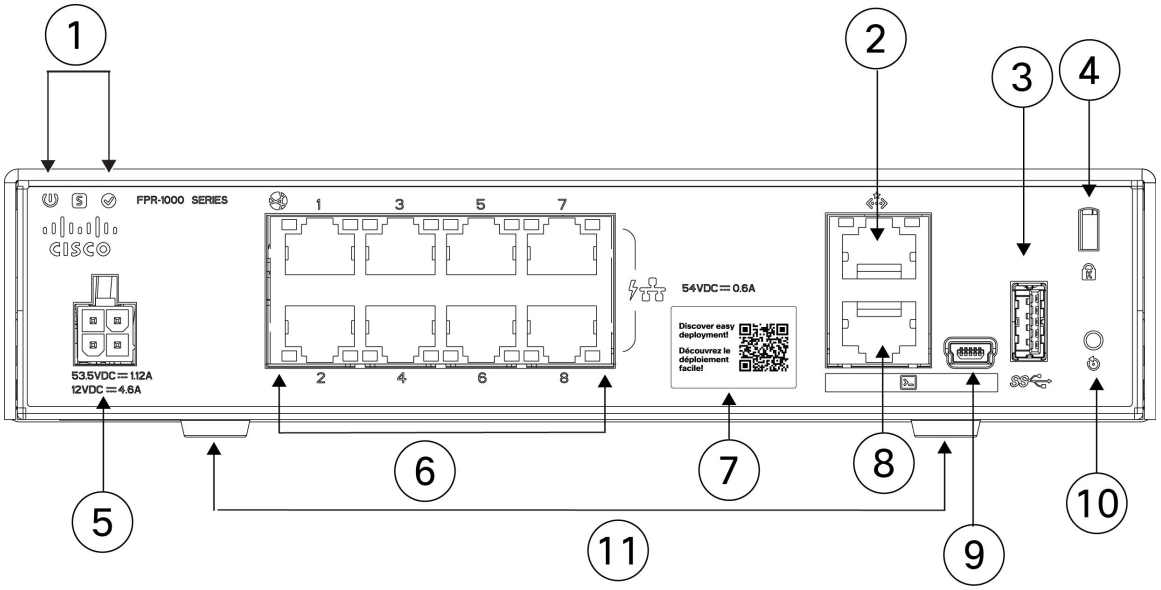
Figure 6: Firepower 1010 and 1010E front panel



Rear panel

The following figure shows the rear panel of the Firepower 1010 and 1010E.

Figure 7: Firepower 1010 and 1010E rear panel



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

Related Topics

Status LEDs, on page 9

Management, console, USB, and network ports

Management port

The Firepower 1010 and 1010E have one Gigabit Ethernet RJ-45 10/100/1000 BaseT management port. It is restricted to network management access. To access the management port, connect with an RJ-45 cable.

Console ports

The chassis 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.

Caution To avoid having the Firepower 1010 and 1010E not fully reload after a reboot, do not leave the console cable half-way disconnected. Either have the console cable connected on both ends or not connected at all.

- 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.

USB Type A port

The chassis contains a standard USB 3.0 Type A port for an external USB drive that you can use for the startup image, configuration, backup and other standard uses for flash storage.

- Supports EXT2/3/4 or VFAT/FAT32 format
- Identified as the following drive ID depending on the CLI:
  - FxOS local-mgmt—usbdrive:
  - FxOS—usbA:
  - ASA and Firewall Threat Defense—disk1:
  - ROMMON—usb:
- Output power of 5 volts, up to a maximum of 1 A (5 USB power units)

The Type A USB port does *not* support Cisco Secure Package (CSP) image upload support.

Network ports

The chassis has eight Gigabit Ethernet RJ-45 10/100/1000 BaseT ports. 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.

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.

PoE+ ports

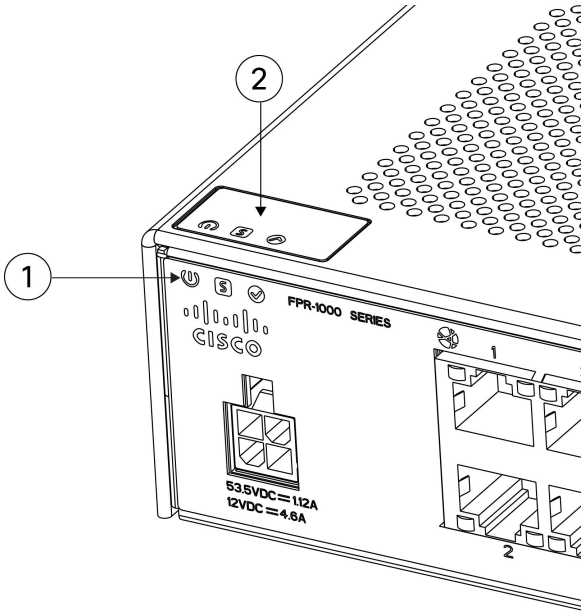
The Firepower 1010 supports PoE+. You can use ports 7 and 8 as PoE+ ports.

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.

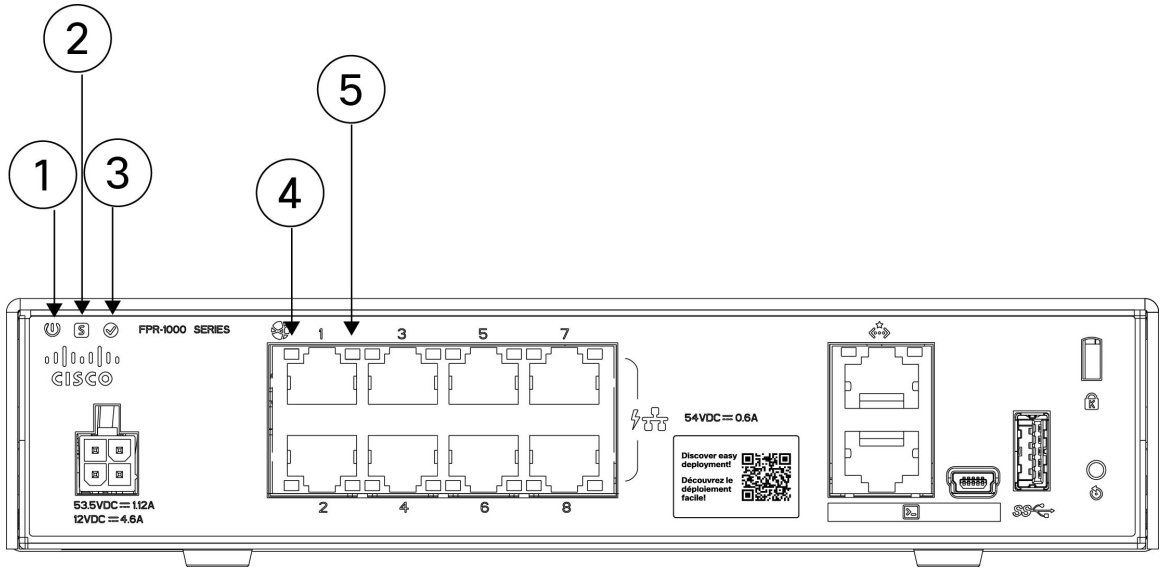
Figure 8: Status LEDs



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 of the Firepower 1010 and 1010E and describes their states.

Figure 9: 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
			Security Cloud Control is valid for threat defense 6.7 and later.
			• Green and amber, flashing—Cloud connection failure.
			• Green—Cloud disconnected.
			Note
			The Security Cloud Control LED pattern applies to zero-touch provisioning.

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.		—

Related Topics

Easy Deployment Guide for Cisco Secure Firewall Threat Defense with Cisco Security Cloud Control

Hardware specifications

The following table contains hardware specifications for the Firepower 1010 and 1010E.

Table 2: Firepower 1010 and 1010E hardware specifications

	1010	**1010E**
Chassis dimensions (H x W x D)	1.82 x 7.85 x 8.07 inches (4.62 x 19.94 x 20.50 cm)	
Rack-mount shelf dimensions (H x W x D)	3.06 x 17.40 x 19.70 inches (7.77 x 44.2 x 50.04 cm) for the 115-W and 66-W power supplies 3.06 x 17.40 x 21.65 inches (7.77 x 44.2 x 54.99 cm) for the 150 -W power supply	
Chassis 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 and 60 W of PoE+ power. **Note** PoE+ is first supported in Firewall Threat Defense Version 6.5 and ASA Version 9.13.	30 W

	1010	1010E
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 **Note** Because the Firepower 1010 and 1010E have no fan, the internal system temperature is significantly higher than the operating temperature.	
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 1010E and 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.

Note See the **show inventory** command to display a list of the PIDs for your Firepower 1010 and 1010E.

Table 3: Firepower 1010 and 1010E PIDs

PID	Description
FPR1010-ASA-K9	Cisco Firepower 1010 ASA desktop appliance
FPR1010E-ASA-K9	Cisco Firepower 1010E ASA desktop appliance
FPR1010-NGFW-K9	Cisco Firepower 1010 NGFW desktop appliance
FPR1010E-NGFW-K9	Cisco Firepower 1010E NGFW desktop appliance
FPR1K-DT-ACY-KIT	Cisco Firepower 1010 and 1010E accessory kit
PWR-DT-150W-AC	Cisco Firepower 1010 150-W AC power supply
PWR-DT-150W-AC=	Cisco Firepower 1010 150-W AC power supply (spare)
PWR-DT-66WAC	Cisco Firepower 1010E 66-W AC power supply

PID	Description
PWR-DT-66WAC=	Cisco Firepower 1010E 66-W AC power supply (spare)
FPR1K-DT-RACK-MNT=	Cisco Firepower 1010E rack-mount kit to be used with the 66-W AC power supply (spare)
FPR1010-RACK-MNT=	Cisco Firepower 1010 rack-mount kit to be used with the 150-W AC power supply (spare)
FPR1K-DT-WALL-MNT=	Cisco Firepower 1010 and 1010E wall-mount kit (spare)
FPR1K-DT-FIPS-KIT=	Cisco Firepower 1010 FIPS kit (spare)

Related Topics

Cisco Returns Portal
Cisco Secure Firewall Threat Defense Command Reference
Cisco Secure Firewall ASA Series Command Reference, S Commands

Power cord specifications

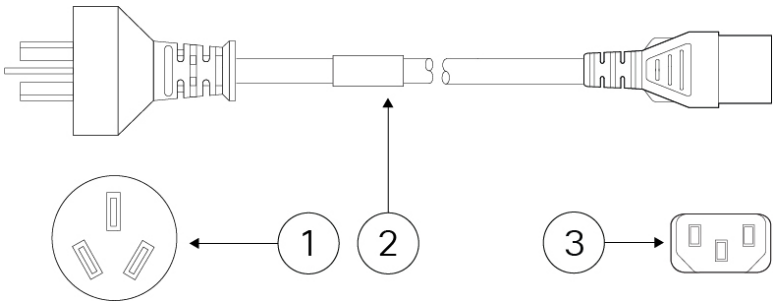
The following C13-type power cords support the 66-W (PWR-DT-66WAC) and 150-W (PWR-DT-150W-AC) power supplies. Each power supply has a separate power cord. Standard power cords or jumper power cords are available for connection to the security appliance. The jumper power cords for use in racks are available 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.

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

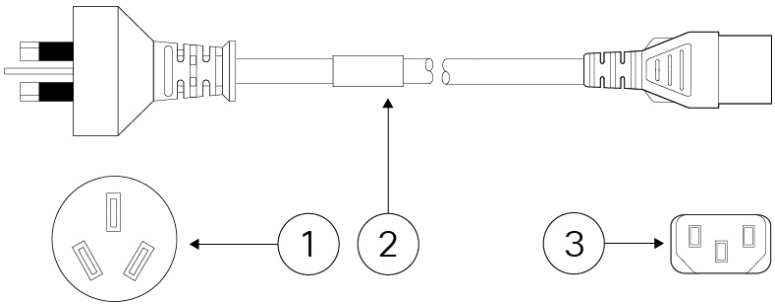
The following power cords are supported.

Figure 10: Argentina (CAB-ACR)



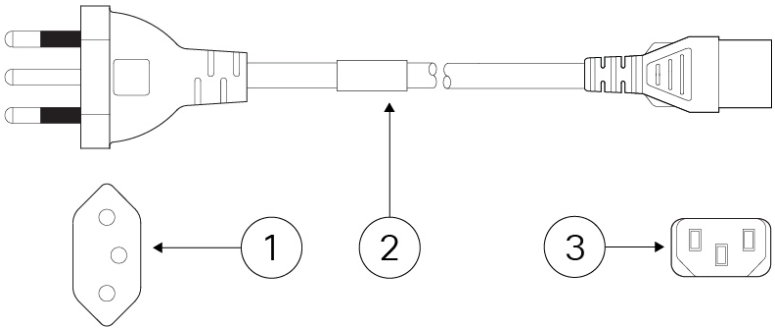
1	Plug: VA2073	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		—

Figure 11: Australia/New Zealand (CAB-ACA)



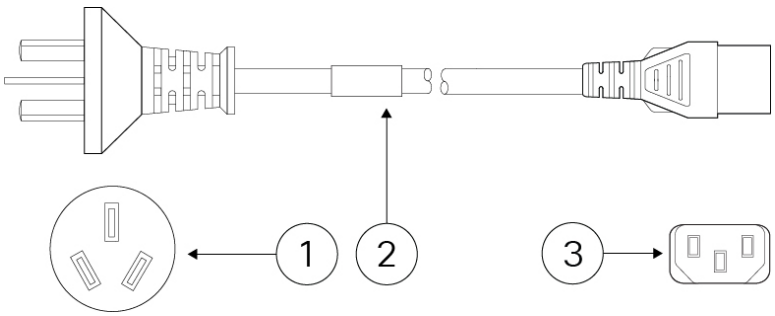
1	Plug: AU10LS3	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		—

Figure 12: Brazil (CAB-C13-ACB)



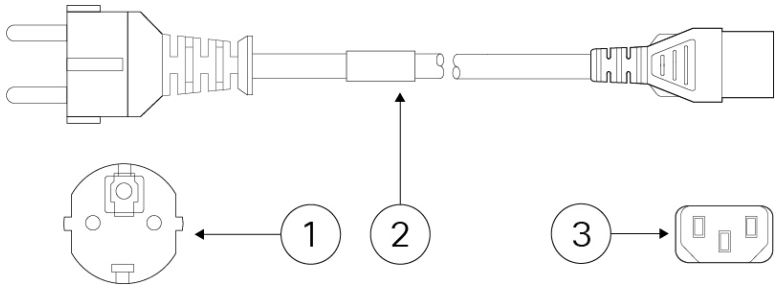
1	Plug: NBR 14136	**2**	Cord set rating: 10 A, 250 V
3	Connector: EL 701B (EN 60320/C13)		—

Figure 13: China (CAB-ACC)



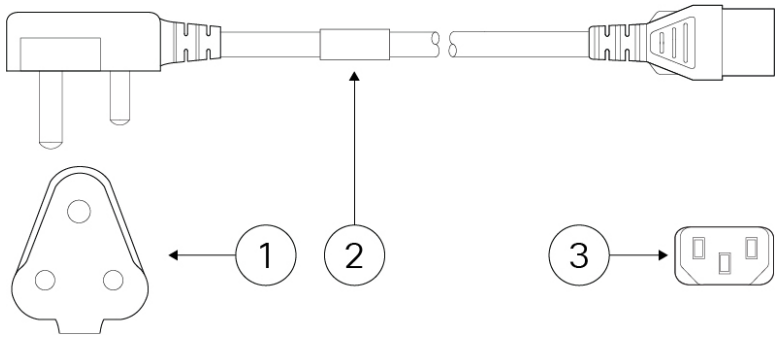
1	Plug: V3203C	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		—

Figure 14: Europe (CAB-ACE)



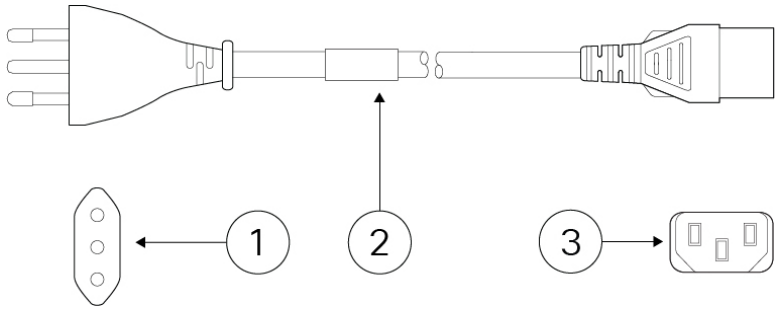
1	Plug: M2511	**2**	Cord set rating: 16 A, 250 V
3	Connector: V1625		—

Figure 15: India (CAB-IND-10A)



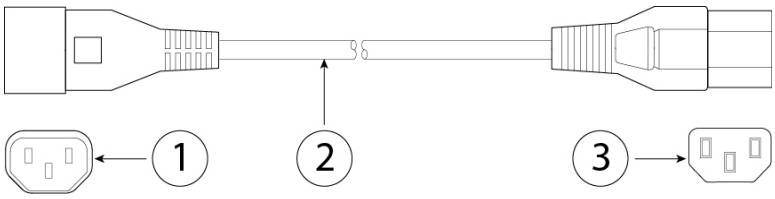
1	Plug: IA16A3-C	**2**	Cord set rating: 16 A, 250 V
3	Connector: V1625BS-E		—

Figure 16: Italy (CAB-ACI)



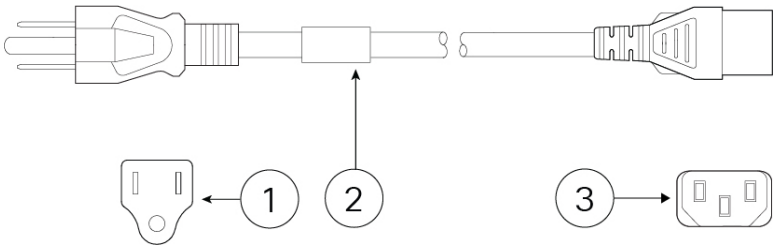
1	Plug: IT10S3	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		—

Figure 17: Japan (CAB-C13-C14-2M-JP) PSE mark



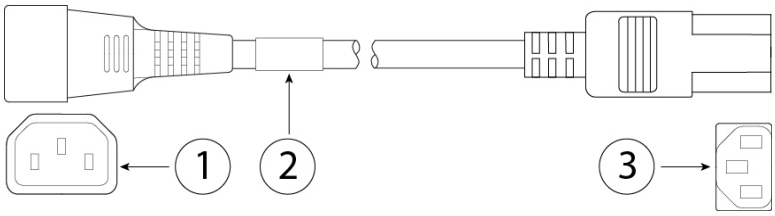
1	IEC 60320-2-2/E	**2**	Cord set rating: 10 A, 250 V
3	Connector: IEC 60320/C13		Cord length: 2 m

Figure 18: Japan (CAB-JPN-3PIN)



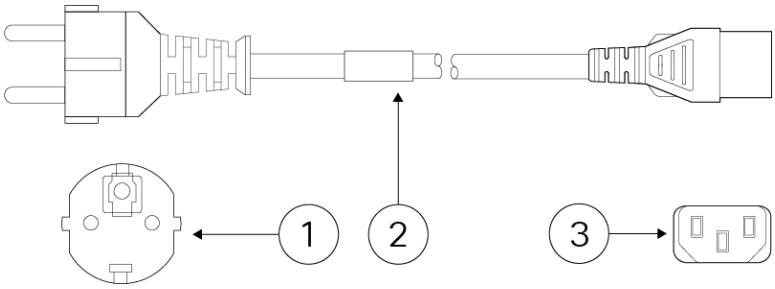
1	Plug: M744	**2**	Cord set rating: 12 A, 125 V
3	Connector: V1625		—

Figure 19: Jumper (CAB-C13-C14-2M)



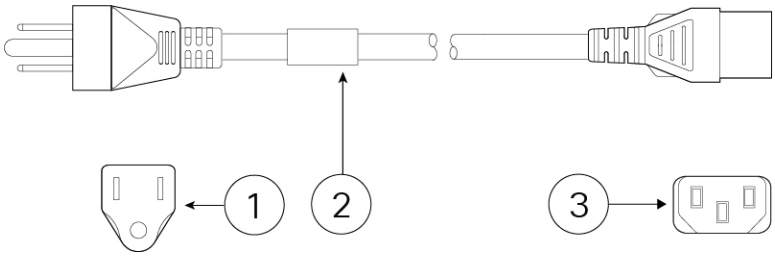
1	IEC 60320/C14G	**2**	Cord set rating: 10 A, 250 V
3	Connector: IEC 60320/C13		Cord length: 2.5 m

Figure 20: Korea (CAB-AC-C13-KOR)



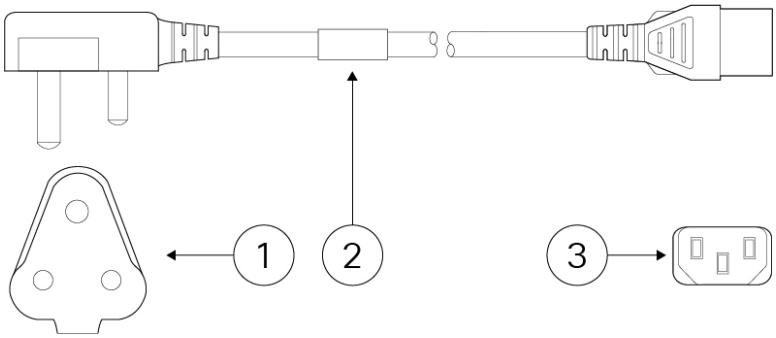
1	Plug: M2511	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		—

Figure 21: North America (CAB-AC)



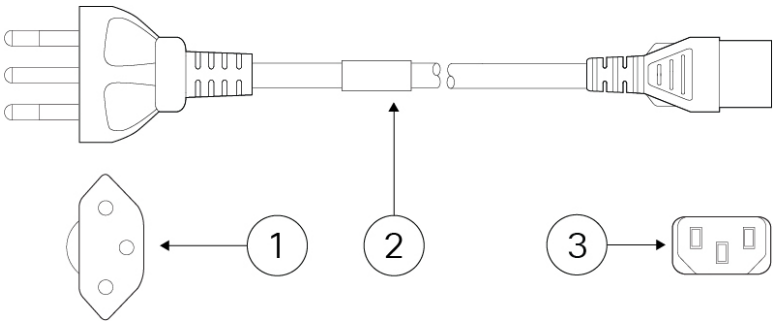
1	Plug: PS204	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		

Figure 22: South Africa (AIR-PWR-CORD-SA)



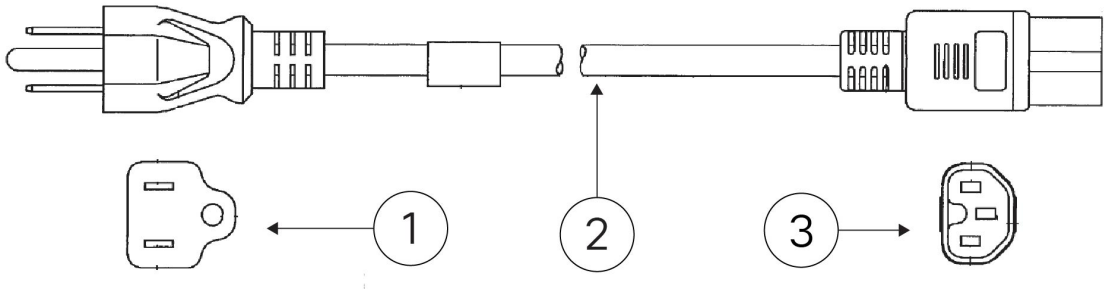
1	Plug: SA16A	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		—

Figure 23: Switzerland (CAB-ACS)



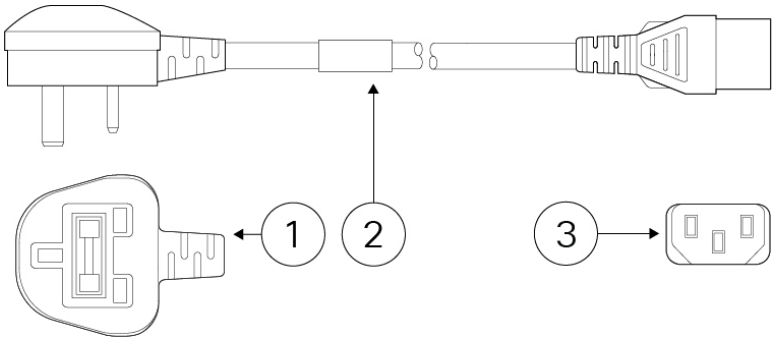
1	Plug: SW10ZS3	**2**	Cord set rating: 10 A, 250 V
3	Connector: V1625		—

Figure 24: Taiwan (CAB-AC-TAI)



1	Plug: CNS 10917-2	**2**	Cord set rating: 10 A, 125 V
3	Connector: IEC 60320/C15		—

Figure 25: United Kingdom (CAB-ACU)



1	Plug: 3P BS 1363	**2**	Cord set rating: 10 A, 250 V
3	Connector: IEC 60320/C13		—