

ARISTA

Quick Start Guide

720XP Series 2RU Cognitive Campus Switches

CCS-720XP-96ZC2

CCS-720XP-96ZC2-M-S



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Overview

This section discusses the following topics:

- [Scope](#)
- [Receiving and Inspecting the Equipment](#)
- [Installation Process](#)
- [Safety Information](#)
- [Obtaining Technical Assistance](#)
- [Specifications](#)

1.1 Scope

This guide is for properly trained service personnel and technicians who need to install the following Arista Networks Cognitive Campus Switches:

CCS-720XP-96ZC2

CCS-720XP-96ZC2-M-S

Important:



Only qualified personnel should install, service, or replace this equipment.

Seul le personnel qualifié doit installer, service, ou remplacer cet équipement.

1.2 Receiving and Inspecting the Equipment

Upon receiving the switch, inspect the shipping boxes and record any external damage. If you suspect that part of the shipment is damaged, retain packing materials; the carrier may need to inspect them.

If the boxes were not damaged in transit, unpack them carefully. Do not discard any accessories packaged in the same box as the main unit.

Inspect the packing list and confirm that you received all listed items. Compare the packing list with your purchase order. The [Parts List](#) provides a list of components included with the switch.

1.3 Installation Process

The following tasks are required to install and use the switch:

1. Select and prepare the installation site ([Site Selection](#)).
2. Assemble the installation tools ([Tools and Parts Required for Installation](#)).

3. Attach the mounting brackets ([Attaching Mounting Brackets to the Chassis](#)).
4. Install the switch in an equipment rack ([Inserting the Switch into the Rack](#))
5. Connect the switch to the power source and network devices ([Connecting Power Cables](#)).
6. Configure the switch ([Configuring the Switch](#)).

Important:

Class 1 Laser Product: This product has provisions for installing Class 1 laser transceivers, which provide optical coupling to the communication network. After a Class 1 laser product is installed, the equipment is a Class 1 Laser Product. The customer is responsible for selecting and installing the Class 1 laser transceiver and for ensuring that the Class 1 AEL (Allowable Emission Limit) per EN/IEC 60825, CSA E60825-1, and Code of Federal Regulations 21 CFR 1040 is not exceeded after the laser transceiver have been installed. Do not install laser products whose class rating is greater than 1. Refer to all safety instructions that accompany the transceiver before installation. Only Class 1 laser devices, certified for use in the country of installation by the cognizant agency, are to be utilized in this product.



Appareil à laser de classe 1: Cet appareil comporte des dispositions permettant d'installer des émetteurs-récepteurs fournissant un couplage optique au réseau de communication. Une fois l'appareil à laser de classe 1 installé, l'équipement devient un appareil à laser de classe 1. Le client est responsable du choix et de l'installation de l'émetteur-récepteur à laser de classe 1 et il doit s'assurer que les limites d'émission admissibles pour la classe 1 régularisées par les normes EN/IEC 60825 et CAN/CSA E60825-1 et par le Code of Federal Regulations 21 CFR 1040 ne soient pas dépassées après l'installation de l'émetteur-récepteur à laser. N'installez pas d'appareils à laser dont la classification est supérieure à 1. Avant l'installation, lisez attentivement les instructions de sécurité fournies avec l'émetteur-récepteur. Seuls les appareils à laser de classe 1 qui ont été certifiés par l'autorité agréée pour une utilisation dans le pays d'installation peuvent être utilisés dans ce produit.

Important:

The ultimate disposal of this product should be by all applicable laws and regulations.



Élimination définitive de ce produit devrait être en conformité avec toutes les lois et règlements applicables.

1.4 Safety Information

Refer to the Arista Networks document *Safety Information and Translated Safety Warnings* at <https://www.arista.com/en/support/product-documentation>.

1.5 Obtaining Technical Assistance

Any customer, partner, reseller, or distributor holding a valid Arista Service Contract can obtain technical support in any of the following ways:

- **Email:** support@arista.com. This is the easiest way to create a new service request.
Include a detailed description of the problem and the “show tech-support” output.
- **Web:** <https://www.arista.com/en/support>.

You can create a support case through the support portal on our website. You may also download the most current software and documentation and view FAQs, Knowledge Base articles, Security Advisories, and Field Notices.

- **Phone:** +1 866-476-0000 or +1 408-547-5502.

Important:



There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.

Aucune pièce réparable par l'utilisateur à l'intérieur. Confiez toute réparation à un technicien qualifié.

1.6 Specifications

The following tables list the specifications of switches covered by this guide

Table 1: Switch Specifications (Dimensions and Weights)

Switch	Size (W x H x D)	Weight
CCS-720XP-96ZC2	48.3 x 8.8 x 40.4 cm (19 x 3.5 x 15.9 inches)	14.1 kg (31 lbs.)
CCS-720XP-96ZC2-M-S	48.3 x 8.8 x 40.4 cm (19 x 3.5 x 15.9 inches)	14.1 kg (31 lbs.)

Table 2: Switch Specifications (Operational and Storage)

Switch	Operating Temperature	Storage Temperature	Operating Altitude	Relative Humidity
All	0° to 40°C (32° to 104°F)	-25° to 70°C (-13° to 158°F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)

Table 3: Switch Specifications (Power Input)

Power Source	PSU Models	Ratings	Over-current Protection (Branch Circuit)
Power Input (AC Power)	PWR-1021-AC-RED	100 - 240 VAC, 12.0 to 5.0 A, 50/60 Hz	20 A
Power Input (DC Power)	PWR-521-DC-RED	-48V to -60VDC, 13A	20 A

Table 4: Switch Specifications (Power Draw)

Switch	Supported Power Supply	Power Draw (Typical / Maximum)	PoE Power Budget Three / Four PSUs
CCS-720XP-96ZC2	PWR-1021-AC-RED	245 W / 278 W	2255 W / 3077 W
CCS-720XP-96ZC2-M-S	PWR-1021-AC-RED	216 W / 236 W	3512 W / 3492 W



Note: Configurations with less than three PSUs are currently not supported.

Preparation

This section discusses the following topics:

- [Site Selection](#)
- [Tools and Parts Required for Installation](#)
- [Electrostatic Discharge \(ESD\) Precautions](#)

2.1 Site Selection

Consider the following criteria when selecting a site to install the switch:

- **Temperature and Ventilation:** For proper ventilation, install the switch with ample airflow to the front and back of the switch. The ambient temperature should not go below 0° or exceed 40°C

Important:



To prevent the switch from overheating, do not operate it in an area where the ambient temperature exceeds 40°C (104°F).

Pour empêcher l'interrupteur de surchauffer, ne pas utiliser il dans une zone où la température ambiante est supérieure à 40°C (104°F).

- **Airflow Orientation:** CCS-720XP-96ZC2 supports only front-to-back airflow. Contact your sales representative if the airflow direction is incompatible with the installation site.
- **Rack Space:** Install the switch in a 19" rack or cabinet. The switch height is 2 RU. The accessory kit provides mounting brackets for two-post racks.

When mounting the switch in a partially filled rack, load the rack from bottom to top, with the heaviest equipment at the bottom. Load the switch at the bottom if it is the only item in the rack.

- **Power Requirements:** Power requirements vary by switch and power supply model. Refer to [Table 4: Switch Specifications \(Power Draw\)](#) for information regarding your specific system.

Two circuits provide redundancy protection. [Connecting Power Cables](#) describes power cable requirements.

Important:



The power input plug-socket combination must be accessible at all times; it provides the primary method of disconnecting power from the system.

La combinaison de la puissance-prise d'entrée doit être accessible en tout temps ; Il fournit le principal moyen de coupure d'alimentation du système.

- **Other Requirements:** Select a site where liquids or objects cannot fall onto the equipment and foreign objects are not drawn into the ventilation holes. Verify these guidelines are met:
 - Clearance areas to the front and rear panels allow for unrestricted cabling.
 - All front and rear panel indicators can be easily read.

- Power cords can reach from the power outlet to the connector on the rear panel.

Important:



Remove all power connections to de-energize the unit.

Toutes les connexions d'alimentation doivent être enlevées pour hors tension l'appareil.

Important:



This unit is intended for installation in restricted access areas.

Cet appareil est prévu pour une installation dans les zones d'accès restreintes.

2.2 Tools and Parts Required for Installation

The following tools and equipment are required to install the switch:

Two-Post Rack

- Screws or rack mounting nuts and bolts.
- Screwdriver

The accessory kit does not include screws for attaching the switch to the equipment rack. When installing the switch into an equipment rack with unthreaded post holes, nuts are also required to secure the switch to the rack posts.

2.3 Electrostatic Discharge (ESD) Precautions

Observe these guidelines to avoid ESD damage when installing or servicing the switch.

- Assemble or disassemble equipment only in a static-free work area.
- Select a conductive work surface (such as an anti-static mat) to dissipate static charge.
- Wear a conductive wrist strap to dissipate static charge accumulation.
- Minimize handling of assemblies and components.
- Keep replacement parts in their original static-free packaging.
- Remove all plastic, foam, vinyl, paper, and other static-generating materials from the work area.
- Select tools that do not create ESD.

Rack Mounting the Switch

This section discusses the following topics:

- [Two-Post Rack Mount](#)
 - [Attaching Mounting Brackets to the Chassis](#)
 - [Inserting the Switch into the Rack](#)

3.1 Two-Post Rack Mount

To mount the switch onto a two-post rack, assemble the mounting brackets to the chassis, then attach the brackets to the rack posts. Two-post accessory kits include two three-hole mounting brackets.

Each chassis side has attachment pins that align with bracket holes; the number of pins (six or seven) varies by switch model. Pin orientation is symmetric and equidistant, with supporting bracket placement where the flange is either flush with the front and rear panels or not flush with the panels. Each bracket hole includes a key opening for placing the bracket flush with the chassis and then locking it into place.

Important:



Attachment pins must engage all three upper bracket holes.

Goupilles de fixation doivent s'engager tous les trois trous de la bride supérieure.

[Figure 3-1: Bracket Mount Examples for Two-Post Rack Mount](#) displays proper bracket mount configuration examples. [Figure 3-2: Improper Bracket Mount Examples for Two-Post Rack Mount](#) displays improper bracket mount configuration examples.

Figure 3-1: Bracket Mount Examples for Two-Post Rack Mount

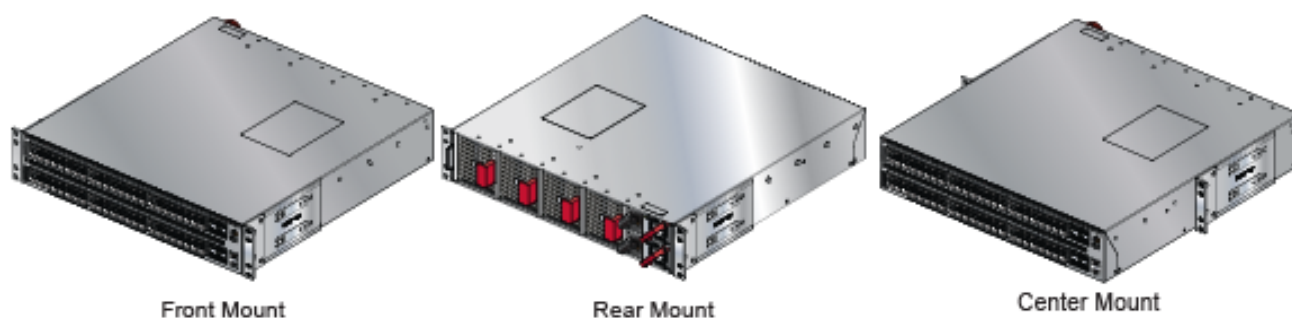
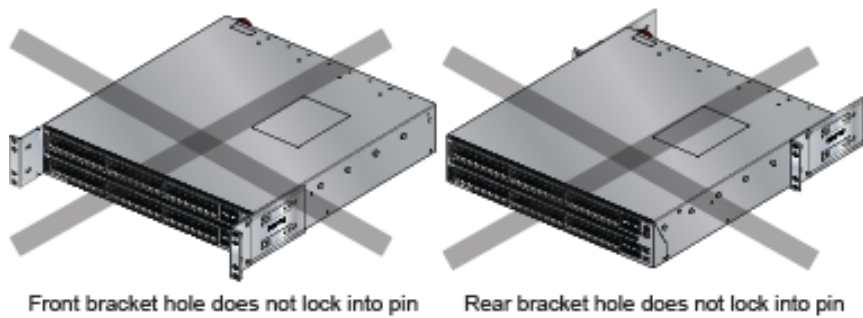


Figure 3-2: Improper Bracket Mount Examples for Two-Post Rack Mount

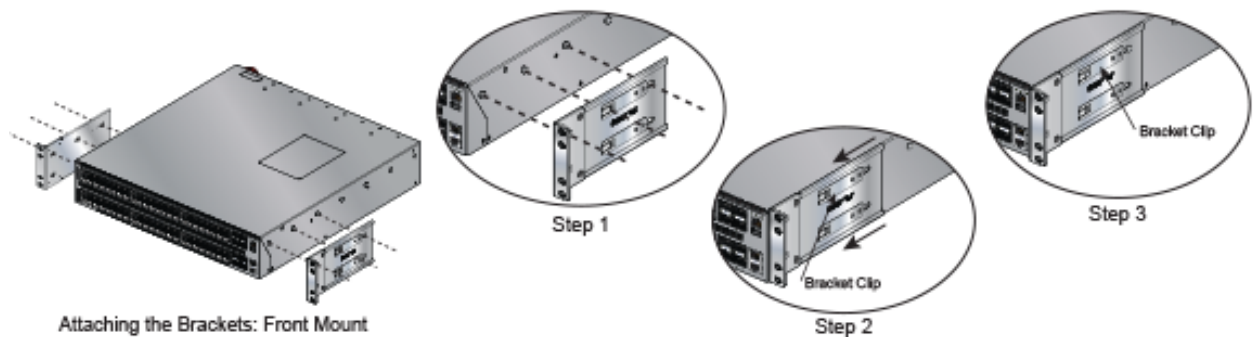


3.1.1 Attaching Mounting Brackets to the Chassis

This procedure attaches mounting brackets to the switch chassis ([Figure 3-3: Attaching the Mounting Brackets to the Switch Chassis](#)).

1. Align the mounting brackets with the attachment pins to obtain the desired mounting position.
2. Place the bracket flush on the chassis with attachment pins protruding through key openings.
3. Slide the bracket toward the front flange until the bracket clip locks with an audible click.

Figure 3-3: Attaching the Mounting Brackets to the Switch Chassis



To remove the mounting bracket from the chassis, lift the front edge of the mounting bracket clip with a flathead screwdriver and slide the bracket away from the front flange (opposite from the installation direction).

3.1.2 Inserting the Switch into the Rack

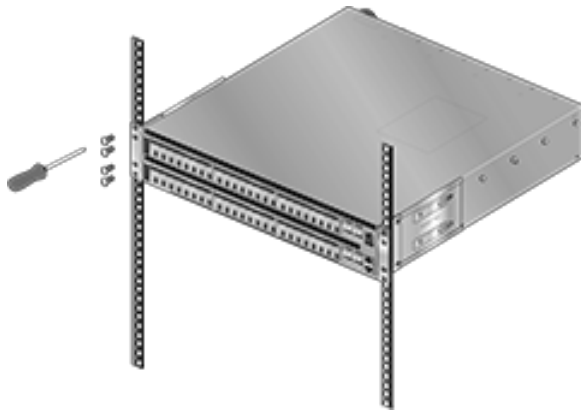
This procedure attaches the switch to the rack.



Note: Front mount is shown.

1. Lift the chassis into the rack. Position the flanges against the rack posts.

Figure 3-4: Inserting the Switch into the Rack



2. Select mounting screws that fit your equipment rack.
3. Attach the bracket flanges to the rack posts.

After completing the two-post rack mount, proceed to [Connecting Power Cables](#).

Cabling the Switch

This section discusses the following topics:

- [Grounding the Switch](#)
- [Connecting Power Cables](#)
- [Connecting Serial and Management Cables](#)

4.1 Grounding the Switch

After mounting the switch into the rack, connect the switch to the data center ground.

Important:



Grounding wires and grounding lugs (M4 x 0.7) are not supplied. Wire size should meet local and national installation requirements. Commercially available 6 AWG wire is recommended for installations in the U.S.

À la terre et de mise à la terre fils cosses (M4 x 0.7) ne sont pas fournis. Calibre des fils doit satisfaire des exigences de l'installation locale et nationale. Disponible dans le commerce 6 fils AWG est recommandé pour les installations aux États-Unis.

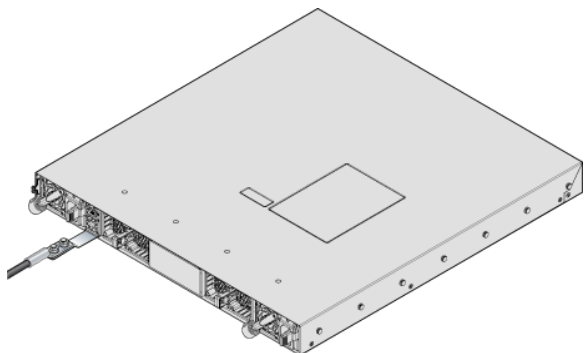
4.1.1 Models without Grounding Pads

For models that do not have grounding pads, use an adapter as shown for the DCS-7050SX3-96YC8 ([Figure 4-1: Earth Grounding Adapter for Models such as DCS-7050SX3-96YC8](#)). Assemble an adapter to attach to the chassis ([Grounding Adapter Assembly](#)). Once the grounding lug is attached to the adapter, attach it to the chassis.



Note: A representative 1 RU chassis is used for the illustrations to highlight the grounding adapter assembly and attachment.

Figure 4-1: Earth Grounding Adapter for Models such as DCS-7050SX3-96YC8



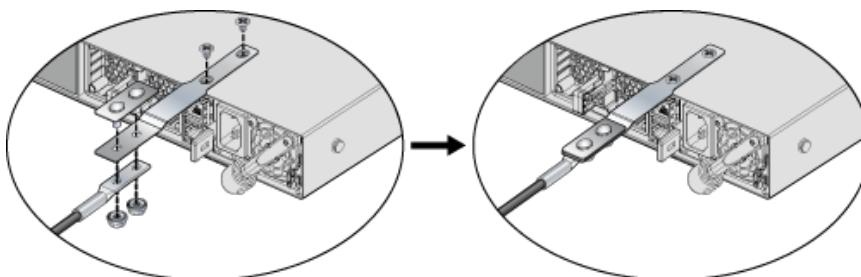
4.1.2 Ground Adapter Assembly

Use the following steps to assemble and attach a grounding assembly to the chassis before mounting it into the rack for models that require the grounding adapter. [Figure 4-2: Earth Grounding Adapter Assembly for Models such as DCS-7050SX3-96YC8](#) shows the exploded and assembled views.



Note: The chassis is shown upside down in the following figure.

Figure 4-2: Earth Grounding Adapter Assembly for Models such as DCS-7050SX3-96YC8



1. Identify all the components to be assembled:
 - 1x Grounding adapter
 - 1x Grounding bracket
 - 2x Flat-head screws (Phillips,M4 x 5.00 long, stainless steel)
 - 2x Hex nuts (#10-32, Serrated Flange, stainless steel)
 - 1x Grounding lug (Copper, 2-hole, 6 AWG, straight barrel)
2. Insert the grounding adapter through the holes in the grounding bracket.
3. Insert the ground lug onto the grounding adapter studs and fasten using the hex nuts to form the grounding assembly.
4. With the chassis on its top on a flat surface, attach the grounding assembly to the chassis using the flat head screws.
5. Turn the chassis over before mounting it into a rack and connecting cables.

4.2 Connecting Power Cables

The following are directions for connecting the power cables.

Important:

Installation of this equipment must comply with local and national electrical codes. Consult with the appropriate regulatory agencies and inspection authorities to assure compliance if necessary.



Read all installation instructions before connecting the system to the power source.

This equipment must be grounded. Never defeat the ground conductor.

This unit requires overcurrent protection.

Installation de cet équipement doit être conformes aux codes électriques locaux et nationaux. Si nécessaire, consulter les organismes de réglementation appropriés et des autorités de contrôle pour assurer la conformité.

Lire toutes les instructions d'installation avant de brancher le système à la source d'alimentation.

Cet équipement doit être mis à la terre. Ne jamais modifier le conducteur de terre.

Cet appareil requiert une protection contre les surintensités.

The following AC power supply is supported. Up to four power supplies can power the switch.

PWR-1021-AC-RED

Power requirements vary by switch. Refer to [Table 4: Switch Specifications \(Power Draw\)](#) for information regarding your specific system. Connect each AC power supply to a circuit that provides the required power.

The [Rear Panel](#) displays the location of the power supplies on the switch's rear panel.

Note:



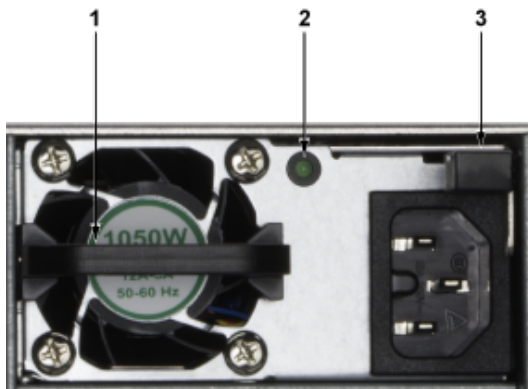
Remove all power cords and wires from the power supplies to turn off the switch.

Input power and power supply redundancy depend on the actual system power draw.

Connect each power supply to its input overcurrent protection for maximum Input Power redundancy.

For power supply redundancy, at least one more power supply should be installed than is required to power the system. The Switch Specifications (Power Draw) display the AC power supply.

Figure 4-3: AC Power Supply



1 PSU handle

2 PSU status LED

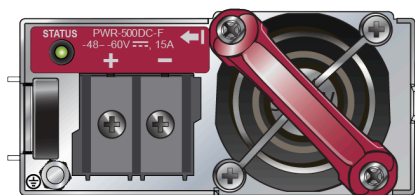
3 Release

The accessory kit provides IEC-320 C15 to C16 power cables.

4.3 DC Power Supplies

The following DC power supplies are supported.

PWR-521-DC-RED

Figure 4-4: DC Power Supply (PWR-521-DC-RED)**Note:**

A disconnect device must be provided as part of the installation.

Ensure power is removed from DC circuits before performing any installation actions. Locate the disconnect device, circuit breakers or fuses on DC power lines servicing the circuits. Turn off the power line circuits or remove the fuses.

Wire size must comply with local and national requirements and electrical codes. Use only copper wire.



Apply ground connection to the switch first during installation and remove last when removing power.

Un dispositif de sectionnement doit être fourni dans le cadre de l'installation.

Pouvoir assurer qu'il est retiré de circuits DC avant d'effectuer des actions d'installation. Localiser les disjoncteurs ou des fusibles sur les lignes de courant continu desservant les circuits. Coupez les circuits de lignes d'alimentation ou retirer les fusibles.

Le calibre du fil doit être conforme aux exigences locales et nationales et les codes électriques. Utiliser du fil de cuivre.

Appliquer connexion à la terre à l'interrupteur premier lors de l'installation et de supprimer la dernière alimentation lors du débranchement.

4.3.1 Wire and Lug Preparation

Before performing any installation actions, ensure power is removed from DC circuits by turning off the power line servicing the circuits. Prepare the stranded wiring before you begin a DC power installation.



Note: Stranded copper wiring is required and should meet local and national installation requirements. Wires and grounding lugs are not supplied.

1. Attach an ESD grounding strap.

2. Prepare the stranded copper wiring for the power supply to be used. [Table 5: Wiring, Lug, and Tightening Torques for DC PSU](#) provides wiring, lug, and tightening torque information for the power supplies covered in this guide.

Table 5: Wiring, Lug, and Tightening Torques for DC PSU

PSU	Wire Size(1)		Lug Type(1)	Tightening Torque	
	(AWG)	(mm2)		N-m	in-lbs.
PWR-500-DC-RED	12 - 14	4.0 - 2.5	Twin #10 studs spaced for dual-hole lug with 5/8" hole spacing.	1.0	9

1. Unless otherwise noted, applies to -48V, Battery return, and Protective earth wires.

3. Strip the wires to the appropriate length for the lugs to be used.
4. Use agency-approved compression (pressure) lugs for wiring terminations.
5. Slip on heat-shrink tubing on the wire ends before assembling the lugs on to the wire.
6. Crimp the lugs with the proper tool, and ensure that the tubing extends over the barrel of the lugs and the insulation on the wires ([Figure 4-5: Lugs Wiring Terminations](#)).

Figure 4-5: Lugs Wiring Terminations



1 Insulated wire

2 Heat-shrink tubing

3 Lug (all three terminals)

A 1/4"

B 1/2"

C 5/8"

7. Shrink the tubing with a heat gun.

4.3.2 Connecting a DC Power Supply to Power Source

To connect a DC power supply to power source:

1. Prepare the stranded wiring ([Wire and Lug Preparation](#)).
2. Attach the appropriate lugs to the source DC wires.
3. Connect the DC-input wires to the appropriate terminals using the specified torque ([Table 5: Wiring, Lug, and Tightening Torques for DC PSU](#)) in the following order.



Note: Remove terminal covers as needed.

- a. Ground wire to the Protective Earth (PE) terminal.
- b. Negative source DC cable to the negative (- / -48V) terminal.
- c. Positive (+) source DC cable to the positive (+ / Rtn) terminal.



Note:

Ensure power is removed from DC circuits before performing any installation actions. Locate circuit breakers or fuses on DC power lines servicing the circuits. Turn off the power line circuits or remove the fuses.

Wire size must comply with local and national requirements and electrical codes. Use only copper wire.

Apply the ground connection first during installation and remove last when removing power.

Assurez-vous de pouvoir retirer des circuits en courant continu avant d'effectuer toute action d'installation. Localiser les disjoncteurs ou fusibles sur les lignes électriques DC entretien des circuits. Mettez hors tension le circuit ligne ou retirer les fusibles.

Calibre doit respecter les exigences locales et nationales et les codes de l'électricité. Utiliser seulement du fil de cuivre.

Appliquer le motif connexion tout d'abord pendant l'installation et supprimer dernière lors du retrait de puissance.

4. Replace the terminal covers as required.

4.4 Connecting Serial and Management Cables

The accessory kit includes the following cables:

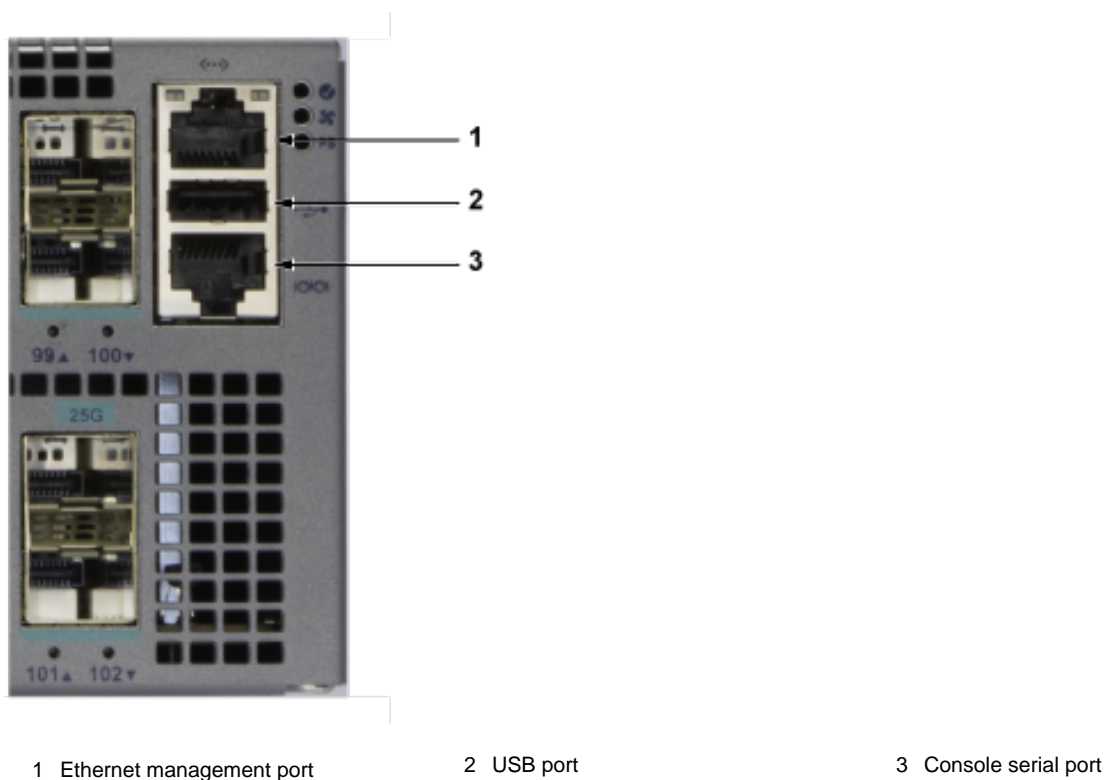
- RJ-45 to DB-9 serial adapter cable.
- RJ-45 Ethernet cable.

The following RJ-45 to DB-9 Connections table lists the pin connections of the RJ-45 to DB-9 adapter cable.

Table 6: RJ-45 to DB-9 Connections

RJ-45		DB-9		RJ-45		DB-9	
RTS	1	8	CTS	GND	5	5	GND
DTR	2	6	DSR	RXD	6	3	TXD
TXD	3	2	RXD	DSR	7	4	DTR
GND	4	5	GND	CTS	8	7	RTS

Figure 4-6: Front Panel Ports



Connect the front panel ports as follows:

- **Console (Serial) Port:** Connect to a PC with the RJ-45 to DB-9 serial adapter cable. The switch uses the following default settings:
 - 9600 baud
 - No flow control
 - 1 stop bit
 - No parity bits
 - 8 data bits
- **Ethernet Management Port:** Connect to 10/100/1000 management network with RJ-45 Ethernet cable.
- **USB Port:** Use the USB port for software or configuration updates.

Important:



Excessive bending can damage interface cables, especially optical cables.

Flexion excessive peut endommager les câbles d'interface, notamment des câbles optiques.

Configuring the Switch

Arista switches ship from the factory in Zero Touch Provisioning (ZTP) mode.

ZTP configures the switch without user intervention by downloading a startup configuration file or a boot script from a location specified by a DHCP server. To manually configure a switch, ZTP is bypassed. The initial configuration provides one username (admin) that is accessible only through the console port because it has no password.

When bypassing ZTP, initial switch access requires logging in as admin, with no password, through the console port. Then, you can configure an admin password and other password-protected usernames.

This manual configuration procedure cancels ZTP mode, logs into the switch, assigns a password to the admin, assigns an IP address to the management port, and defines a default route to a network gateway.

1. Provide power to the switch ([Connecting Power Cables](#)).
2. Connect the console port to a PC ([Connecting Serial and Management Cables](#)).

As the switch boots without a startup-config file, it displays the following through the console:

```
The device is in Zero Touch Provisioning mode and is attempting to
download the startup-config from a remote system. The device will not be fully
functional until either a valid startup-config is downloaded from a remote
system or Zero Touch Provisioning is cancelled. To cancel Zero Touch Provisioning,
login as admin and type 'zerotouch cancel' at the CLI.
```

```
localhost login:
```

3. Log into the switch by typing **admin** at the login prompt.

```
localhost login: admin
```

4. Cancel ZTP mode by typing **zerotouch cancel**.



Important: This step initiates a switch reboot.

```
localhost> zerotouch cancel
```

5. After the switch boots, log into the switch again by typing **admin** at the login prompt.

```
Arista EOS
localhost login: admin
Last login: Fri Mar 15 13:17:13 on console
```

6. Enter global configuration mode.

```
localhost> enable
localhost# config
```

7. Assign a password to the **admin** username using the **username secret** command.

```
localhost(config)# username admin secret pxql23
```

8. Configure a default route to the network gateway.

```
localhost(config)# ip route 0.0.0.0/0 192.0.2.1
```

9. Assign an IP address (**192.0.2.8/24** in this example) to an Ethernet management port.

```
localhost(config)# interface management 1  
localhost(config-if-Ma1/1)# ip address 192.0.2.8/24
```

10. Save the configuration by typing **write memory** or **copy running-config startup-config**.

```
localhost# copy running-config startup-config
```

When configuring the management port IP address, use this command to access the switch from a host using the address configured in **Step 9**:

```
ssh admin@192.0.2.8
```

Refer to the *Arista Networks User Manual* for complete switch configuration information.

Status Indicators

This section discusses the following topics:

- [Front Indicators](#)
- [Rear Status Indicators](#)

A.1 Front Indicators

The system and port status LED indicators are located on the front of the switches.

This section discusses the following topics:

- [Switch Indicators](#)
- [Port Indicators](#)

A.1.1 Switch Indicators

The front panel LEDs on the chassis's right side display the system, fan, and power supply status. The [Front Panel](#) displays the front panels of all switches covered by this guide.

The System Status Indicators image displays the CCS-720XP-96ZC2 front panel LEDs.

Figure A-1: System Status Indicators

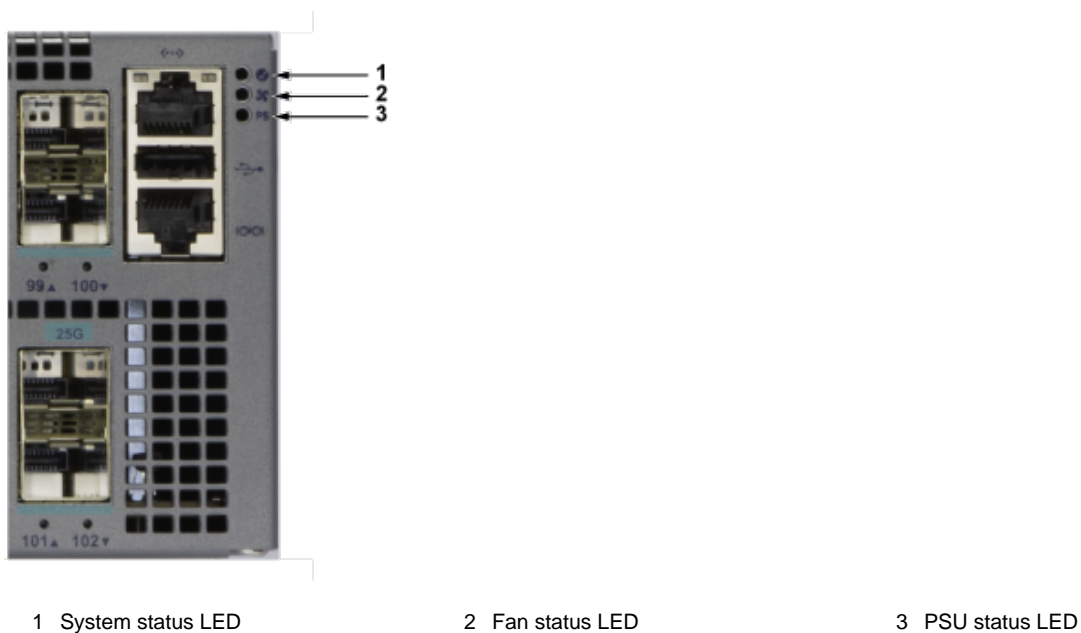
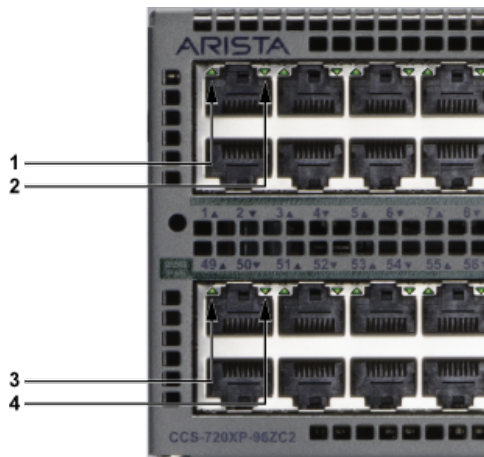


Table 7: Switch Indicators LED States

LED Name	LED State	Device Status
System Status	Blinking Green	System powering up.
	Green	All power supplies and fans are operating normally.
	Blue	The locator function is active.
	Red	A power supply or fan is missing or in a failed state.
Fan Status	Green	All fans are operating normally.
	Red	One or more fans have yet to be inserted or have failed.
Power Supply Status	Off	The power supply is not inserted or powered.
	Green	The power supply is operating normally.
	Red	The power supply has failed.

A.1.2 Port Indicators

Port LEDs near their corresponding ports provide a link and operational status. The Port LED image displays the Port LED location on the CCS-720XP-96ZC2 switch. The [Front Panel](#) displays the port LED locations of all switches this guide covers.

Figure A-2: Port LEDs

1 Port status LED (upper port)

2 Port status LED (lower port)

3 Port status LED (upper port)

4 Port status LED (lower port)

Port LED States provide status conditions that correspond to port LED states. Port LED behavior for QSFP+ and SFP+ ports is consistent.

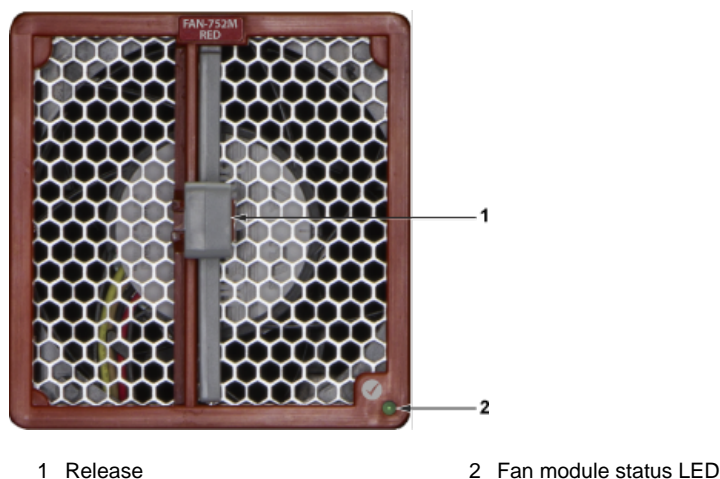
LED State	Status
Off	The port link is down.
Green	The port link is up.
Yellow	The port is software disabled.
Flashing Yellow	The port failed diagnostics.

A.2 Rear Status Indicators

Fan and power supply modules are accessed from the rear panel. Each fan and power supply module contains an LED that reports the module status. [Rear Panel](#) displays the rear panel of all switches covered by this guide.

Fan Status LEDs are on the fan modules, as displayed in Fan Status LED.

Figure A-3: Fan Status LED



Note: Bezel color indicates airflow direction.

The module installation indicator is green when the fan module is properly installed or red when the module is not fully installed. Fan Status LED States provide status conditions that correspond to fan status LED states.

Table 8: Fan Status LED States

LED State	Status
Off	The fan module is inserted but not receiving power – it may not be properly seated.
Green	The fan is operating normally.
Red	The fan has failed.

The power supply status LEDs are on the modules, as shown in the AC Power Supply Status LED.

Figure A-4: AC Power Supply Status LED



1 PSU module status LED

The AC Power Supply Status LED States provides conditions corresponding to power supply status LED states.

Table 9: AC Power Supply Status LED States

Power Supply State	PWR-1021-AC-RED
Input power present Normal operation	Green
Input power present Power Supply fault	ON/OFF: ON when PSU output is ON, OFF when PSU Output is OFF
Input power present Power Supply FAN fault	FLASH 800 ms ON / 800 ms OFF
No Input power Supply installed in chassis	OFF
Input power present Supply not installed in chassis	Green



Note: You can narrow the error condition by logging in to the switch to view the specific device state. Refer to the *Arista User Manual's Switch Environment Control* chapter under *Viewing Environment Status* for further information on the `show environment` commands.

Parts List

Each switch provides an accessory kit containing the parts required to install the switch. This section lists the installation parts contained in the switch accessory kit.

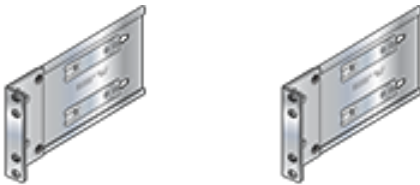
This section discusses the following topics:

- [Rack Mount Parts](#)
- [Cables](#)

B.1 Rack Mount Parts

Two-post rack mount parts are provided in the accessory kit.

Figure B-1: Two-Post Rack Mount Parts



Mounting Brackets (Three Hole)

B.2 Cables

List of provided cables.

Quantity	Description
2	Power cables: IEC-320/C15-C16, 13 A, 250 V, 2-meter
1	RJ-45 Patch Panel Cable, 2-meter
1	RJ-45 to DB9 Adapter Cable, 2-meter

Note:

All provided power cables are for use only with Arista products.



警告

すべての電源コードは提供する製品で使用するためだけを目的としている。

電源コードの他の製品での使用の禁止

Aristaが提供するすべての電源コードは、Aristaの製品でのみ使用してください。

Front Panel

This section displays the front panel of all switches covered by this guide.

Figure C-1: CCS-720XP-96ZC2

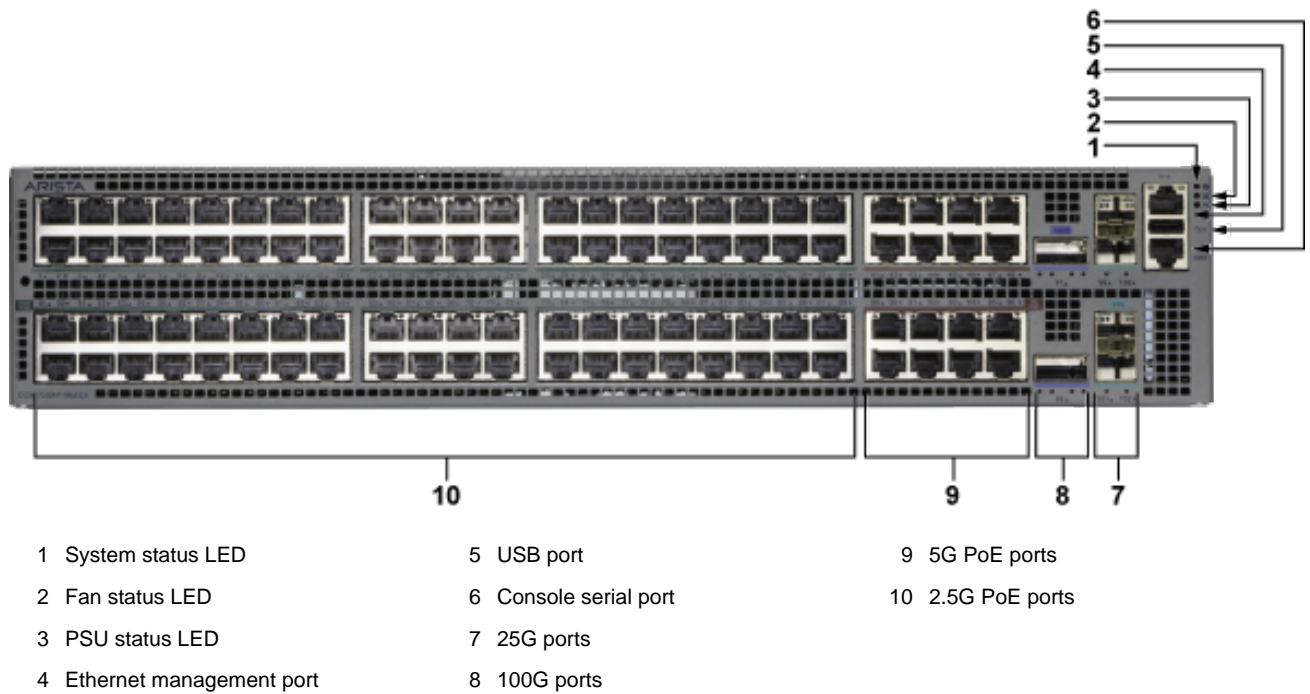
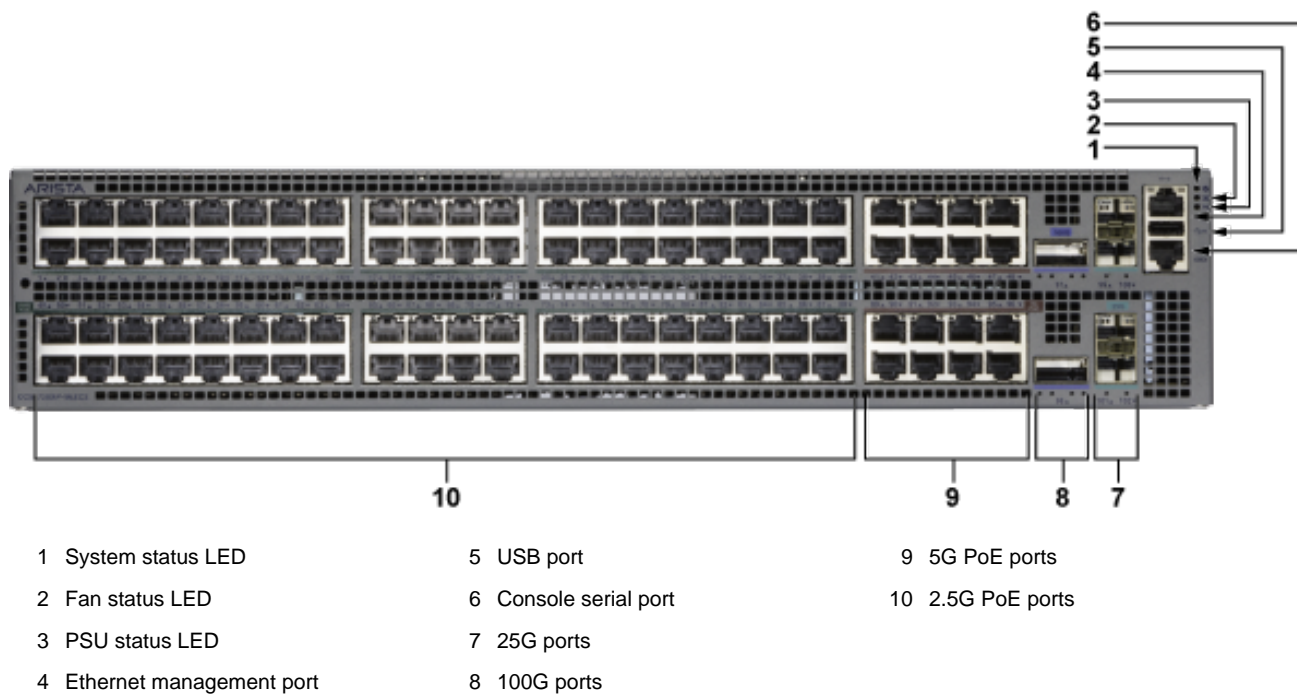


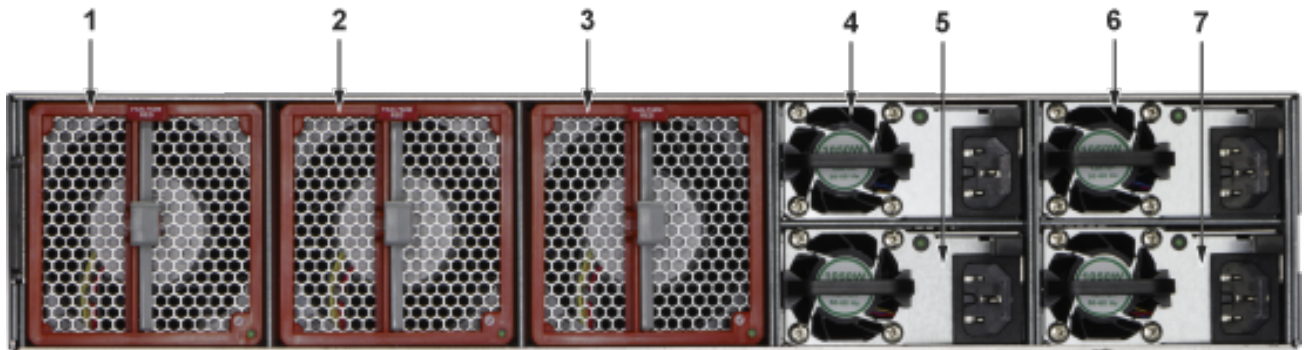
Figure C-2: CCS-720XP-96ZC2-M-S



Rear Panel

This section displays the rear panel of all switches this guide covers. Depending on the power supply modules installed, the rear panel on your switch may differ slightly.

Figure D-1: All Models



1 Fan Module 1

2 Fan Module 2

3 Fan Module 3

4 Power Supply Module 1

5 Power Supply Module 3

6 Power Supply Module 2

7 Power Supply Module 4

Regulatory Model Numbers

This section lists the Regulatory Model Numbers (RMNs) for the product models for the switches described in this document.

Table 10: Regulatory Model Numbers and Product Numbers

Regulatory Model Number (RMN)	Product Name(s)
AN1733	CCS-720XP-96ZC CCS-720XP-96ZC2-M-S

Taiwan RoHS Information

This section provides the Taiwan RoHS information for switches this guide covers.

For the Taiwan BSMI RoHS Table, go to <https://www.arista.com/assets/data/pdf/AristaBSMIroHS.pdf>.