ARISTA

Quick Start Guide

720D Series Ethernet Switch

CCS-720DP-48S
CCS-720DP-24S
CCS-720DT-48S
CCS-720DT-24S
CCS-720DF-48Y
CCS-720DP-24ZS
CCS-720DP-48ZS

Arista Networks

www.arista.com

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Headquarters	Support	Sales
5453 Great America Parkway, Santa Clara, CA 95054 USA +1-408 547-5500	+1-408 547-5502 +1-866 476-0000	+1-408 547-5501 +1-866 497-0000
https://www.arista.com/en/	mailto:support@arista.com	mailto:support@arista.com

Contents

Overview

This Quick Start Guide (QSG) describes the specifications and installation details of Arista Ethernet Switch.

This chapter includes the following topics:

1.1   Scope

This guide is intended for properly trained service personnel and technicians who need to install the following Arista Networks Ethernet Switch.

This includes the following products:

- CCS-720DP-48S - 2F
- CCS-720DP-48S - F
- CCS-720DP-24S - 2F
- CCS-720DP-24S - F
- CCS-720DT-48S - 2F
- CCS-720DT-48S - F
- CCS-720DT-48S - 2R
- CCS-720DT-48S - R
- CCS-720DT-24S - 2F
- CCS-720DT-24S - F
- CCS-720DF-48Y - 2F
- CCS-720DF-48Y - F
- CCS-720DP-24ZS - 2F
- CCS-720DP-24ZS - F
- CCS-720DP-48ZS-2F
- CCS-720DP-48ZS-F

1.2   Intended Audience

This guide can be referred to any qualified person who wants to install the device.

> **Note:** Only qualified personnel should install, service, or replace this equipment.
>
> Seul le personnel qualifié doit installer, service, ou remplacer cet équipement.

1.3 Receiving and Inspecting the Equipment

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

If the boxes were not damaged in transit, unpack them carefully. Ensure that you do not discard any accessories that may be 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. Parts List provides a list of components included with the switch.

1.4 Installation Process

The following steps are to be followed to install and usage of the switch:

1. Select and prepare the installation site.
2. Assemble the installation tools listed.
3. Attach the mounting brackets and install the switch in an equipment rack.
4. Connect the switch to the power source and network devices.
5. Configure the switch.

1.5 Safety Information

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

1.6 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 output of "show tech-support".
- **Web:** https://www.arista.com/en/support

  A support case may be created through the support portal on our website. You may also download the most current software and documentation, as well as view FAQs, Knowledge Base articles, Security Advisories, and Field Notices.
- **Phone:** +1 866-476-0000 or +1 408-547-5502.

1.7 Product and Documentation Updates

To receive important news on product updates, please visit our website at https://www.arista.com/en/support/product-documentation. We continuously enhance our product documentation based on customer feedback.

1.8   Specifications

This section lists the specifications of Arista Ethernet Switch described in this guide.

Table 1: Switch Specifications (Dimensions and Weights)

Switch	Size (W x H x D)	Weight
CCS-720DP-48S-2F	440 x 43.5 x 430 mm (17.32 x 1.71 x 16.92 inches)	6.73 kg (14.83 lbs)
CCS-720DP-48S-F	440 x 43.5 x 430 mm (17.32 x 1.71 x 16.92 inches)	6.02 kg (13.27 lbs)
CCS-720DP-24S-2F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	5.81 kg (12.80 lbs)
CCS-720DP-24S-F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	5.25 kg (11.57 lbs)
CCS-720DT-48S-2F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.638 kg (10.22 lbs)
CCS-720DT-48S-F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.324 kg (9.53 lbs)
CCS-720DT-48S-2R	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.638 kg (10.22 lbs)
CCS-720DT-48S-R	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.324 kg (9.53 lbs)
CCS-720DT-24S-2F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.356 kg (9.60 lbs)
CCS-720DT-24S-F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.06 kg (8.95 lbs)
CCS-720DF-48Y-2F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.8 kg (10.58 lbs)
CCS-720DF-48Y-F	440 x 43.5 x 330 mm (17.32 x 1.71 x 12.99 inches)	4.5 kg (9.92 lbs)
CCS-720DP-24ZS-2F	440 x 43.5 x 430 mm (17.32 x 1.71 x 16.92 inches)	6.6 kg (14.55 lbs)

Switch	Size (W x H x D)	Weight
CCS-720DP-24ZS-F	440 x 43.5 x 430 mm (17.32 x 1.71 x 16.92 inches)	5.8 kg (12.78 lbs)
CCS-720DP-48ZS-2F	440 x 43.5 x 430 17.32 x 1.71 x 16.92 inches	8 kg 17.63 lbs
CCS-720DP-48ZS-F	440 x 43.5 x 430 17.32 x 1.71 x 16.92 inches	6.9 kg 15.211 lbs

Table 2: Switch Specifications (Operational and Storage)

Switch	Operating Temperature	Storage Temperature	Operating Altitude	Relative Humidity
CCS-720DP-48S	0 to 40°C (32° to 104°F)	-25 to 70°C (-13 to 158F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)
CCS-720DT-48S	0 to 40°C (32° to 104°F)	-25 to 70°C (-13 to 158F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)
CCS-720DP-24S	0 to 40°C (32° to 104°F)	-25 to 70°C (-13 to 158F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)
CCS-720DT-24S	0 to 40°C (32° to 104°F)	-25 to 70°C (-13 to 158F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)
CCS-720DF-48Y	0 to 40°C (32° to 104°F)	-25 to 70°C (-13 to 158F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)
CCS-720DP-24ZS	0 to 40°C (32° to 104°F)	-25 to 70°C (-13 to 158F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)
CCS-720DP-48ZS	0 to 40°C (32° to 104°F)	-25 to 70°C (-13 to 158F)	0 to 3,000 meters (0 to 10,000 feet)	5 to 90% (non-condensing)

Table 3: Switch Specifications (Power Ratings)

Switch	Input Power Rating
CCS-720DP-48S-2F	100 - 240V~, 10 - 5A, 50/60 Hz
CCS-720DP-48S-F	100 - 240V~, 10 - 5A, 50/60 Hz
CCS-720DP-24S-2F	100 - 240V~, 6 - 3A, 50/60 Hz

Switch	Input Power Rating
CCS-720DP-24S-F	100 - 240V~, 6 - 3A, 50/60 Hz
CCS-720DT-48S-2F	100 - 240V~, 1.2-0.6A, 50/60 Hz
CCS-720DT-48S-F	100 - 240V~, 1.2-0.6A, 50/60 Hz
CCS-720DT-48S-2R	100 - 240V~, 1.2-0.6A, 50/60 Hz
CCS-720DT-48S-R	100 - 240V~, 1.2-0.6A, 50/60 Hz
CCS-720DT-24S-2F	100 - 240V~, 1-0.5A, 50/60 Hz
CCS-720DT-24S-F	100 - 240V~, 1-0.5A, 50/60 Hz
CCS-720DF-48Y-2F	100 - 240V~, 2.2-1.1A, 50/60 Hz
CCS-720DF-48Y-F	100 - 240V~, 2.2-1.1A, 50/60 Hz
CCS-720DP-24ZS-2F	100 - 240V~, 10-5A, 50/60 Hz
CCS-720DP-24ZS-F	100 - 240V~, 10-5A, 50/60 Hz
CCS-720DP-48ZS-2F	100 - 240V~, 10A, 50/60 Hz
CCS-720DP-48ZS-F	100 - 240V~, 10A, 50/60 Hz

Table 4: Switch Specifications (PoE Power Budget)

Switch	PoE Power Budget
CCS-720DP-48S	745W
CCS-720DT-48S	N/A
CCS-720DP-24S	380W
CCS-720DT-24S	N/A
CCS-720DF-48Y	N/A
CCS-720DP-24ZS	730W
CCS-720DP-48ZS-2F	2880W
CCS-720DP-48ZS-F	1440W

Table 5: Switch Specifications (System Configurations)

SKU	PoE Ports	Downlink Ports	Uplink Ports	Airflow	Power Supply	Fan
CCS-720DP-48S-2F	30W	48x1G RJ45	4x10G SFP+	Front to rear	2	4
CCS-720DP-48S-F	30W	48x1G RJ45	4x10G SFP+	Front to rear	1	4
CCS-720DP-24S-2F	30W	24x1G RJ45	4x10G SFP+	Front to rear	2	3
CCS-720DP-24S-F	30W	24x1G RJ45	4x10G SFP+	Front to rear	1	3
CCS-720DT-48S-2F	N/A	48x1G RJ45	4x10G SFP+	Front to rear	2	2
CCS-720DT-48S-F	N/A	48x1G RJ45	4x10G SFP+	Front to rear	1	2
CCS-720DT-48S-2R	N/A	48x1G RJ45	4x10G SFP+	Rear to Front	2	2
CCS-720DT-48S-R	N/A	48x1G RJ45	4x10G SFP+	Rear to Front	1	2
CCS-720DT-24S-2F	N/A	24x1G RJ45	4x10G SFP+	Front to rear	2	2
CCS-720DT-24S-F	N/A	24x1G RJ45	4x10G SFP+	Front to rear	1	2
CCS-720DF-48Y-2F	N/A	48x1G SFP	4x25G SFP28	Front to rear	2	3
CCS-720DF-48Y-F	N/A	48x1G SFP	4x25G SFP28	Front to rear	1	3
CCS-720DP-24ZS-2F	60W	24x2.5G RJ45	4x10G SFP+	Front to rear	2	4
CCS-720DP-24ZS-F	60W	24x2.5G RJ45	4x10G SFP+	Front to rear	1	4
CCS-720DP-48ZS-2F	60W	48x2.5G RJ45	4x10G SFP+	Front to rear	2	4
CCS-720DP-48ZS-F	60W	48x2.5G RJ45	4x10G SFP+	Front to rear	2	4

Chapter   2

Preparation

This chapter describes the initial setup and preparation for installing the switch.

This chapter includes the following topics:

- Site Selection
- Tools and Parts Required for Installation
- Electrostatic Discharge (ESD) Precautions

2.1   Site Selection

The following criteria should be considered when selecting a site to install the switch:

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

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

- **Rack Space:** Install the switch in a rack or cabinet. The switch height is 1.74". The accessory kit provides necessary equipment such as mounting brackets and screws required for the installation.

  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 Specifications and for information regarding your specific system.

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

- **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 the following 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.

    > **Note:** All power connections must be removed to de-energize the unit.

2.2   Tools and Parts Required for Installation

Each switch provides an accessory kit that contains parts that are required to install the switch. In addition to the accessory kit, the following tools and equipment are required to install the switch:

Additional Tools

- Screwdriver
- Screws or rack mounting nuts and bolts

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.
- Use 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.
- Use tools that do not create ESD.

Mounting the Switch

This chapter provides the instructions to mount the switch.

This chapter includes the following topics:

- Two-Post Rack Mount

3.1   Two-Post Rack Mount

This section describes instructions for two-post rack mounting the switch.

To mount the switch in a rack, you need to assemble the mounting brackets to the chassis, then attach the brackets to the rack posts. It includes:

- Attaching Mounting Brackets to the Chassis
- Inserting the Switch into the Rack

3.1.1   Attaching Mounting Brackets to the Chassis

This section describes the steps to attach mounting brackets to the switch chassis.

Figure 1: Attaching the Mounting Brackets
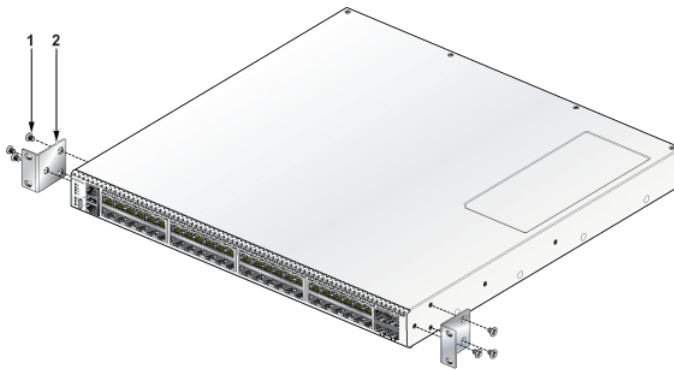
1	Flat head screw M4x6mm
2	L-bracket

Note: Ensure that there is about 1U rack spacing between the two devices on the rack.

1. Position the L-bracket by aligning with the chassis holes on both the sides of the switch and fix it with M4x6mm flat head screws.
2. Secure the mounting brackets firmly to the switch.

3.1.2   Inserting the Switch into the Rack

This section describes the steps to insert the switch into the rack.

Figure 2: Inserting the Switch into the Rack
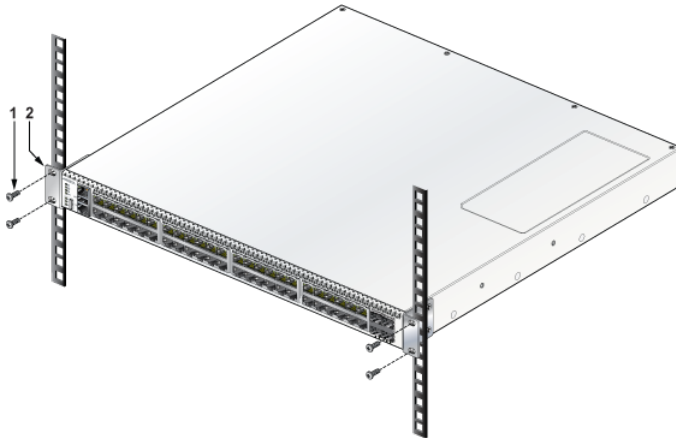
1	Screw M4x25mm (screw is not included in the kit)
2	L-bracket

Note: For more information regarding the screw size, refer to Screw Size Details

Note: For thermal purposes, make sure that there is 1RU clearance above the rack mount bracket.

1. Lift the chassis, attached with L-brackets, into the rack.
2. Place the switch into the rack by aligning with the holes of the mounting bracket.
3. Position the flanges against the rack posts as shown in the above figure.
4. Attach the bracket flanges to the rack posts.

Grounding the Switch

This section provides instructions for grounding the switch.

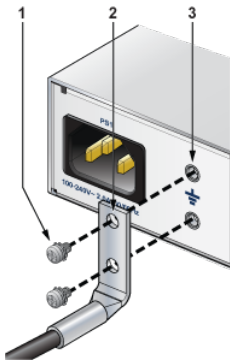Normally, the functional grounding of the switch is achieved through the DC input connection. If you would like to do additional grounding, follow the instructions below:

Figure 3: Grounding the Switch

1	Screw M4 (with washer)
2	Solder terminal lug
3	Grounding point

Note: Grounding wires and grounding lugs are not supplied with the product. The wire size should meet local and national installation requirements.

Note: The earth connection must not be removed unless all supply connections are disconnected.

1. Ensure the rack is properly grounded and is in compliance with ETSI ETS 300 253.
2. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment).
3. Attach the solder terminal lug (not provided with the switch) to an 18 AWG minimum grounding wire (not provided with the switch), and connect it to the grounding point on the rear panel of the switch.
4. Tighten the M4 screw to secure the lug to the grounding point.
5. Connect the other end of the wire to the nearby grounded surface.

Status Indicators

This section describes the front panel LED status of the device.

LED Status Indicators

CCS-720DP-48S-2F

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720DP-48S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS1/2

Port Normal Mode
Port PoE Mode
Port Speed Mode

CCS-720DP-48S-F

ARISTA
720DP-48S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS

Port Normal Mode
Port PoE Mode
Port Speed Mode

CCS-720DP-24S-2F

ARISTA
720DP-24S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS1/2

Port Normal Mode
Port PoE Mode
Port Speed Mode

CCS-720DP-24S-F

ARISTA
720DP-24S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS

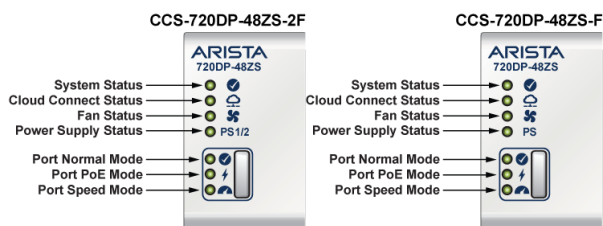Port Normal Mode
Port PoE Mode
Port Speed Mode

CCS-720DT-24S-2F

ARISTA
720DT-24S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS1/2

Port Normal Mode

Port Speed Mode

CCS-720DT-24S-F

ARISTA
720DT-24S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS

Port Normal Mode

Port Speed Mode

CCS-720DT-48S-2F/-2R

ARISTA
720DT-48S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS1/2

Port Normal Mode

Port Speed Mode

CCS-720DT-48S-F/-R

ARISTA
720DT-48S

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS

Port Normal Mode

Port Speed Mode

CCS-720DF-48Y-2F

ARISTA
720DF-48Y

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS1/2

Port Normal Mode

Port Speed Mode

CCS-720DF-48Y-F

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720DF-48Y

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS

Port Normal Mode

Port Speed Mode

CCS-720DP-24ZS-2F

ARISTA
720DP-24ZS

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS1/2

Port Normal Mode
Port PoE Mode
Port Speed Mode

CCS-720DP-24ZS-F

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720DP-24ZS

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS

Port Normal Mode
Port PoE Mode
Port Speed Mode

CCS-720DP-48ZS-2F

ARISTA
720DP-48ZS

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS1/2

Port Normal Mode
Port PoE Mode
Port Speed Mode

CCS-720DP-48ZS-F

ARISTA
720DP-48ZS

System Status
Cloud Connect Status
Fan Status
Power Supply Status — PS

Port Normal Mode
Port PoE Mode
Port Speed Mode

Table 6: LED Status

LED Name	LED State	Device Status
System Status LED	Off	No power or in the midst of a power cycle.
	Blinking Green	System is powering up.
	Green	The system is operating in a normal initialization sequence. Normal operations.
	Blue	The locator function is active.
	Amber	System is malfunctioning. System is overheating or temperature sensors have recorded passing the SW defined critical threshold. The switch will automatically execute a "graceful shutdown" shortly.
Cloud Connect Status LED	Off	Not connected to the cloud.
	Green	System is connected to the cloud.
	Amber	Problem connecting to the cloud.
Fan Status LED	Green	All fan modules are operating normally.
	Amber	Single fan module is malfunctioning.
Power Supply Status LED	Off	Power supply unit is not available.
	Green	Power supply unit is fully functional.
	Amber	Power supply unit has a fault.
Port Normal Mode LED	Off	Normal mode is not selected
	Green	Port LED is selected to indicate port link status (normal mode).

LED Name	LED State	Device Status
Port PoE Mode LED (CCS-720DP-48S, CCS-720DP-24S, CCS-720DP-24ZS, CCS-720DP-48ZS)	Off	PoE mode is not selected.
	Green	Port LED is selected to indicate port PoE status.
Port Speed Mode LED	Off	Speed mode is not selected.
	Green	Port LED is selected to indicate port speed.

Table 7: Port LED Modes

Port LEDs	Normal Mode		PoE Mode		Speed Mode	
1GE RJ45 Port LED	Off	Port link is down	Off	No PoE	Blinking Amber	10M
	Green	Port link is up	Blinking Amber	15W	Amber	100M
	Amber	Port is software disabled	Amber	30W	Green	1G
2.5GE RJ45 Port LED	Off	Port link is down	Off	No PoE	Blinking Amber	100M
	Green	Port link is up	Blinking Amber	15W	Amber	1G
	Amber	Port is software disabled	Amber	30W	Green	2.5G
			Blinking Green	60W		
SFP+ Port LED	Off	Port link is down	Off	No PoE	Blinking Amber	100M
	Green	Port link is up			Amber	1G
	Amber	Port is software disabled			Green	10G
SFP28 Port LED	Off	Port link is down	Off	No PoE	Blinking Amber	1G
	Green	Port link is up			Amber	10G

Port LEDs	Normal Mode		PoE Mode		Speed Mode	
	Amber	Port is software disabled			Green	25G

Parts List

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

Default Accessories

The following accessories are available along with the switch box:

- Two-post rack mount kit
- Console Cables
    - CBL-00100 RJ45 <-> RJ45 CAT5E ethernet cable
    - CBL-00002 RJ45 <-> DB9 console cable
- Power cable (specified during time of purchase as it's country specific or no power cord)

Optional Accessories

The following are the optional accessories:

Table 8: Optional Accessories

| Spare SKU	Description
KIT-720	Spare Accessory kit for Arista 720 Series 1RU Switches
KIT-7010-4Post	Spare 4-post rack mount kit for 7010T switches

SKU and Product Details

The following are the list of SKU numbers related to the respective product.

Table 9: SKU and Product Details

SKU	Product Description
CCS-720DP-48S-2F	Arista 720DP, 48x1G PoE, 4x10G SFP+ switch, front to rear air, two 950W AC
CCS-720DP-48S-F	Arista 720DP, 48x1G PoE, 4x10G SFP+ switch, front to rear air, one 950W AC
CCS-720DP-24S-2F	Arista 720DP, 24x1G PoE, 4x10G SFP+ switch, front to rear air, two 460W AC
CCS-720DP-24S-F	Arista 720DP, 24x1G PoE, 4x10G SFP+ switch, front to rear air, one 460W AC
CCS-720DT-48S-2F	Arista 720DT, 48x1G, 4x10G SFP+ switch, front to rear air, two 100W AC

SKU	Product Description
CCS-720DT-48S-F	Arista 720DT, 48x1G, 4x10G SFP+ switch, front to rear air, one 100W AC
CCS-720DT-48S-2R	Arista 720DT, 48x1G, 4x10G SFP+ switch, rear to front air, two 100W AC
CCS-720DT-48S-R	Arista 720DT, 48x1G, 4x10G SFP+ switch, rear to front air, one 100W AC
CCS-720DT-24S-2F	Arista 720DT, 24x1G, 4x10G SFP+ switch, front to rear air, two 100W AC
CCS-720DT-24S-F	Arista 720DT, 24x1G, 4x10G SFP+ switch, front to rear air, one 100W AC
CCS-720DF-48Y-2F	Arista 720DF, 48x1G SFP, 4x25G SFP28 switch, front to rear air, two 200W AC
CCS-720DF-48Y-F	Arista 720DF, 48x1G SFP, 4x25G SFP28 switch, front to rear air, one 200W AC
CCS-720DP-24ZS-2F	Arista 720DP, 24x2.5G PoE, 4x10G SFP+ switch, front to rear air, two 950W AC
CCS-720DP-24ZS-F	Arista 720DP, 24x2.5G PoE, 4x10G SFP+ switch, front to rear air, one 950W AC
CCS-720DP-48ZS-2F	Arista 720DP, 48x2.5G PoE, 4x10G SFP+ switch, front to rear air, two 1800W AC
CCS-720DP-48ZS-F	Arista 720DP, 48x2.5G PoE, 4x10G SFP+ switch, front to rear air, one 1800W AC

Table 10: Spare SKU Details

Spare SKU	Description
KIT-720	Spare Accessory kit for Arista 720 Series 1RU Switches
KIT-7010-4Post	Spare 4-post rack mount kit for 7010T switches

Front Panel

This section describes the front panel of the Ethernet Switch.

7.1   CCS-720DP-48S

The CCS-720DP-48S front panel includes the following key components:
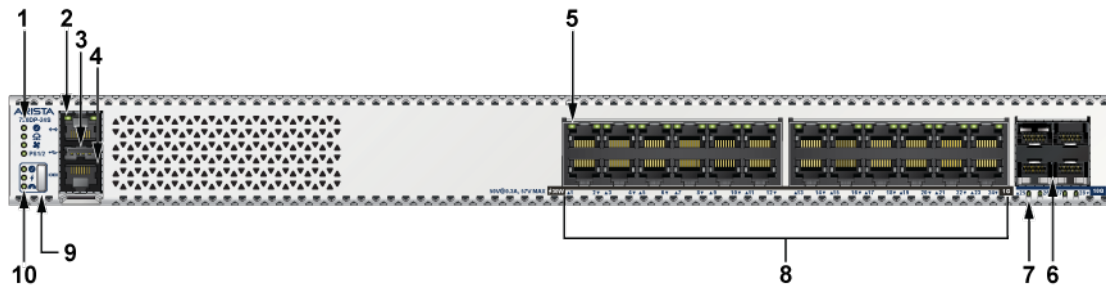
Figure 4: CCS-720DP-48S Front Panel
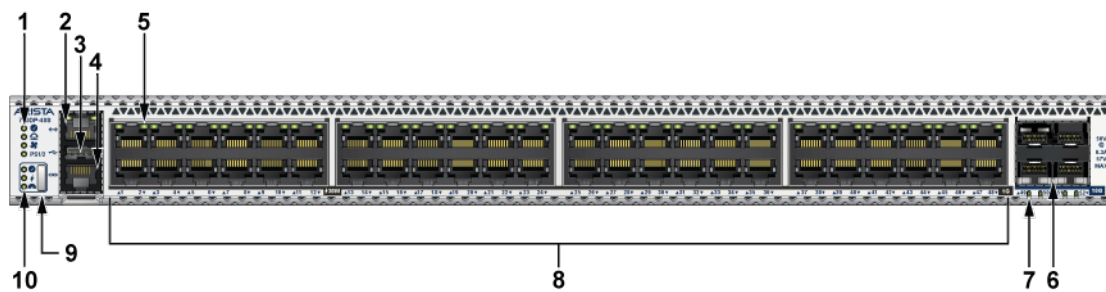
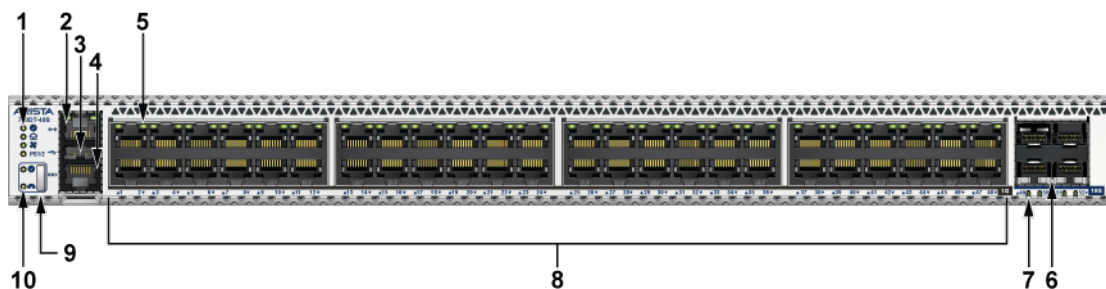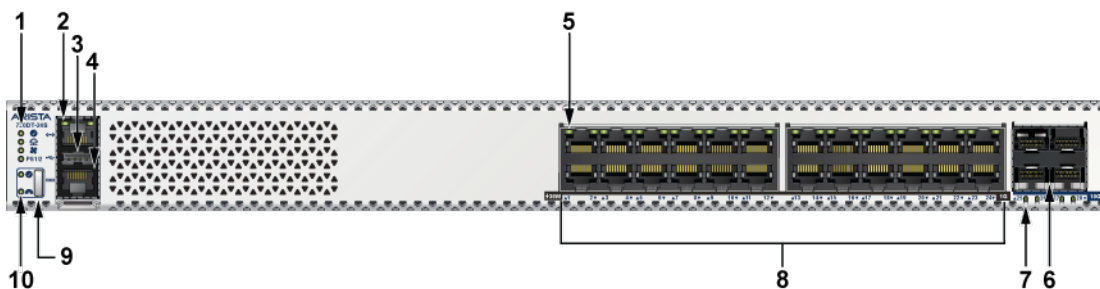| 1	System Status LEDs
2	RJ45 Ethernet Management Port
3	USB Port
4	Console Port
5	Port LEDs
6	4x10G SFP+ Ports
7	SFP+ Port LEDs
8	48x1G PoE Ports
9	Mode Button
10	Mode Status LEDs

7.2   CCS-720DP-24S

The CCS-720DP-24S front panel includes the following key components:

Figure 5: CCS-720DP-24S Front Panel

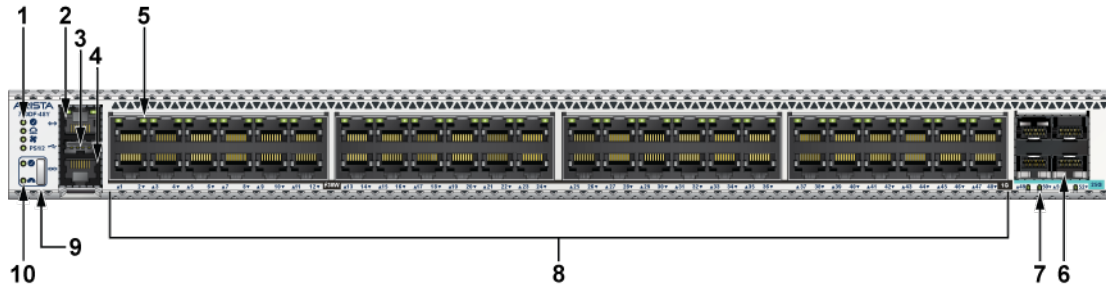|	
1	System Status LEDs
2	RJ45 Ethernet Management Port
3	USB Port
4	Console Port
5	Port LEDs
6	4x10G SFP+ Ports
7	SFP+ Port LEDs
8	24x1G PoE Ports
9	Mode Button
10	Mode Status LEDs

7.3   CCS-720DT-48S

The CCS-720DT-48S front panel includes the following key components:
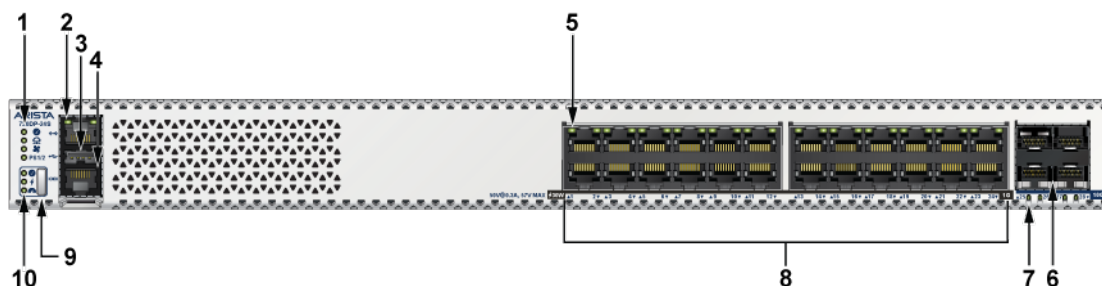
Figure 6: CCS-720DT-48S Front Panel

1	System Status LEDs

2	RJ45 Ethernet Management Port
3	USB Port
4	Console Port
5	Port LEDs
6	4x10G SFP+ Ports
7	SFP+ Port LEDs
8	48x1G PoE Ports
9	Mode Button
10	Mode Status LEDs

7.4   CCS-720DT-24S

The CCS-720DT-24S front panel includes the following key components:
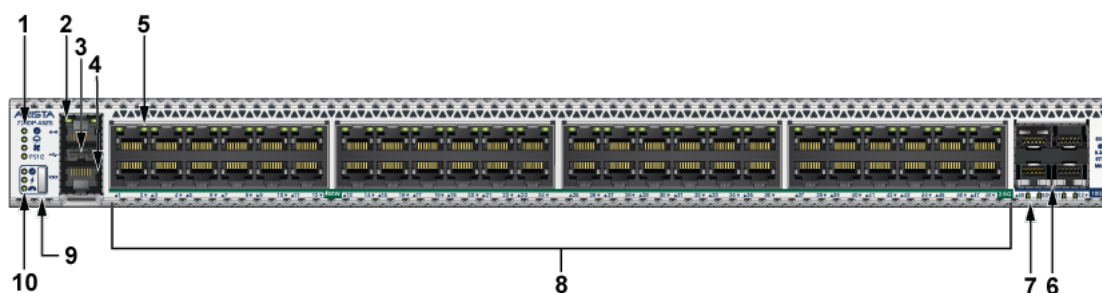
Figure 7: CCS-720DT-24S Front Panel

1	System Status LEDs
2	RJ45 Ethernet Management Port
3	USB Port
4	Console Port
5	Port LEDs
6	4x10G SFP+ Ports
7	SFP+ Port LEDs
8	24x1G Ports
9	Mode Button

10	Mode status LEDs

7.5 CCS-720DF-48Y

The CCS-720DF-48Y front panel includes the following key components:

Figure 8: CCS-720DF-48Y Front Panel

1	System Status LEDs
2	RJ45 Ethernet Management Port
3	USB Port
4	Console Port
5	Port LEDs
6	4x25G SFP28 Ports
7	SFP28 Port LEDs
8	48x1G PoE Ports
9	Mode Button
10	Mode Status LEDs

7.6   CCS-720DP-24ZS

The CCS-720DP-24ZS front panel includes the following key components:

Figure 9: CCS-720DP-24ZS Front Panel

1	System Status LEDs
2	RJ45 Ethernet Management Port
3	USB Port
4	Console Port
5	Port LEDs
6	4x10G SFP+ Ports
7	SFP+ Port LEDs
8	24x1G PoE Ports
9	Mode Button
10	Mode Status LEDs

7.7   CCS-720DP-48ZS

The CCS-720DP-48ZS front panel includes the following key components:

Figure 10: CCS-720DP-48ZS Front Panel

1	System Status LEDs

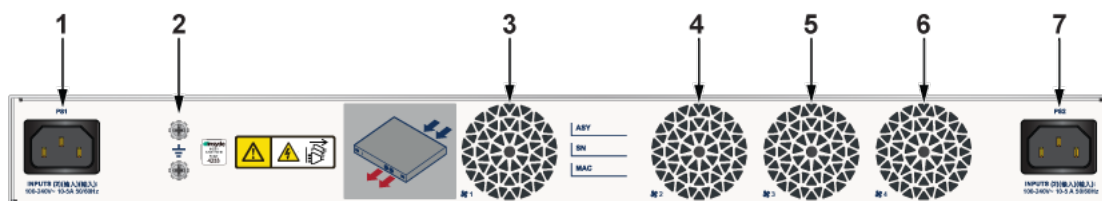|	
2	RJ45 Ethernet Management Port
3	USB Port
4	Console Port
5	Port LEDs
6	4x10G SFP+ Ports
7	SFP+ Port LEDs
8	48x2.5G PoE Ports
9	Mode Button
10	Mode Status LEDs

Rear Panel

The section describes the rear panel of the Ethernet Switch.

8.1   CCS-720DP-48S-2F

The CCS-720DP-48S-2F rear panel includes the following key components:
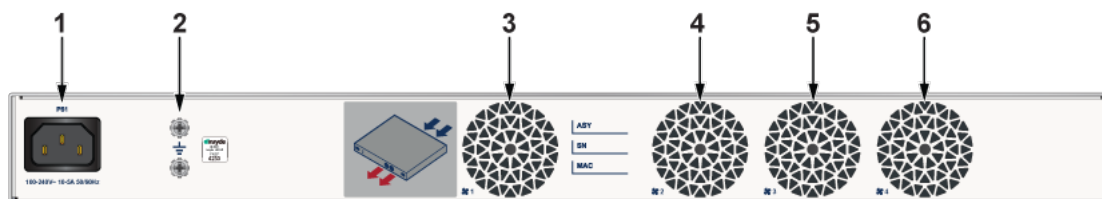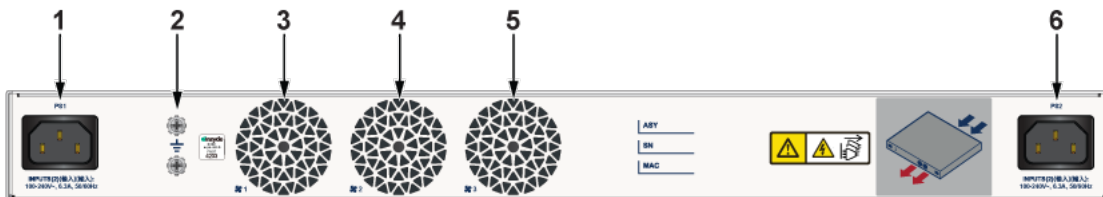
Figure 11: CCS-720DP-48S-2F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Fan3
6	Fan4
7	Power Supply2 (PS2)

8.2   CCS-720DP-48S-F

The CCS-720DP-48S-F rear panel includes the following key components:

Figure 12: CCS-720DP-48S-F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point

3	Fan1
4	Fan2
5	Fan3
6	Fan4

8.3 CCS-720DP-24S-2F

The CCS-720DP-24S-2F rear panel includes the following key components:
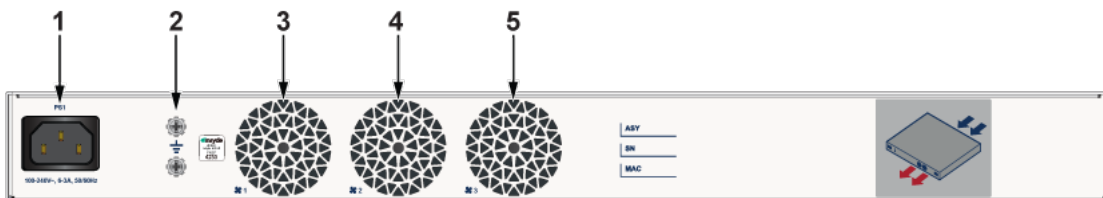
Figure 13: CCS-720DP-24S-2F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Fan3
6	Power Supply2 (PS2)

8.4 CCS-720DP-24S-F

The CCS-720DP-24S-F rear panel includes the following key components:

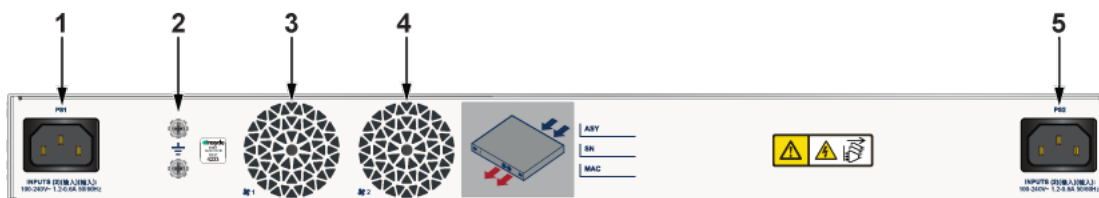**Figure 14: CCS-720DP-24S-F Rear Panel**

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1

4	Fan2
5	Fan3

8.5 CCS-720DT-48S-2F

The CCS-720DT-48S-2F rear panel includes the following key components:

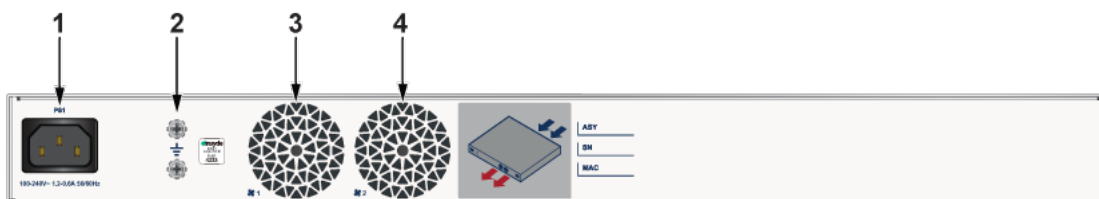**Figure 15: CCS-720DT-48S-2F Rear Panel**

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Power Supply2 (PS2)

8.6 CCS-720DT-48S-F

The CCS-720DT-48S-F rear panel includes the following key components:

Figure 16: CCS-720DT-48S-F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2

8.7   CCS-720DT-24S-2F

The CCS-720DT-24S-2F rear panel includes the following key components:

Figure 17: CCS-720DT-24S-2F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Power Supply2 (PS2)

8.8   CCS-720DT-24S-F

The CCS-720DT-24S-F rear panel includes the following key components:
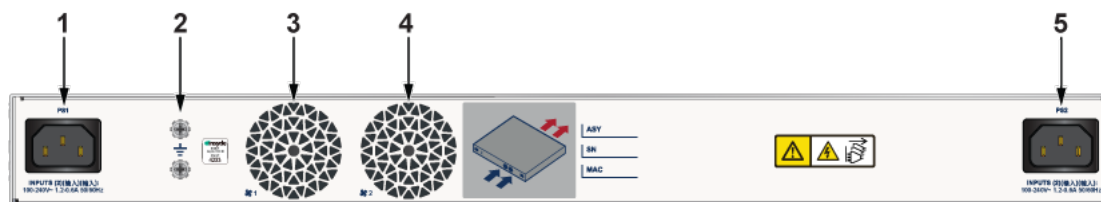
Figure 18: CCS-720DT-24S-F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2

8.9 CCS-720DT-48S-2R

The CCS-720DT-48S-2R rear panel includes the following key components:
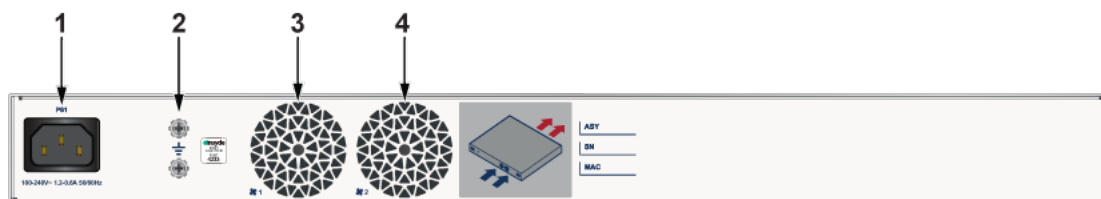
Figure 19: CCS-720DT-48S-2R Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Power Supply2 (PS2)

8.10 CCS-720DT-48S-R

The CCS-720DT-48S-R rear panel includes the following key components:
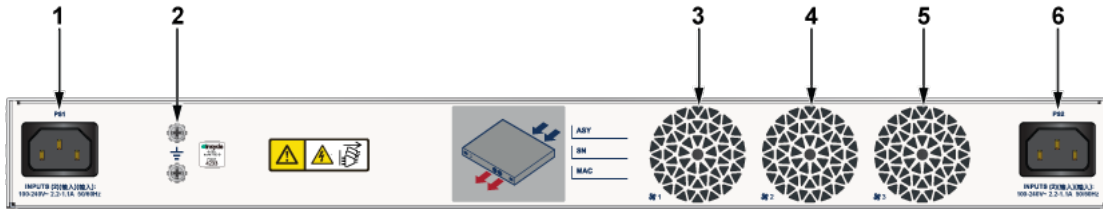
Figure 20: CCS-720DT-48S-R Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2

8.11   CCS-720DF-48Y-2F

The CCS-720DF-48Y-2F rear panel includes the following key components:

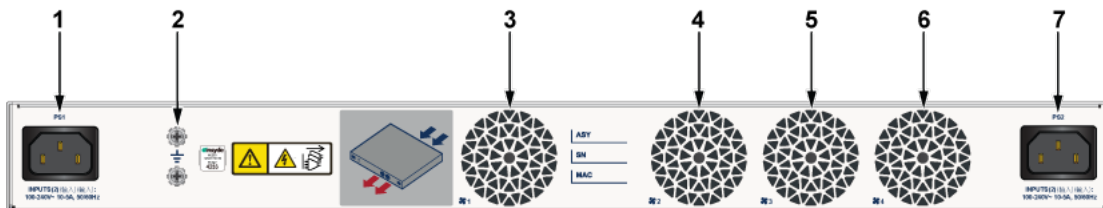**Figure 21: CCS-720DF-48Y-2F Rear Panel**

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Fan3
6	Power Supply2 (PS2)

8.12   CCS-720DP-24ZS-2F

The CCS-720DP-24ZS-2F rear panel includes the following key components:

Figure 22: CCS-720DP-24ZS-2F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Fan3
6	Fan4
7	Power Supply2 (PS2)

8.13   CCS-720DP-24ZS-F

The CCS-720DP-24ZS-F rear panel includes the following key components:
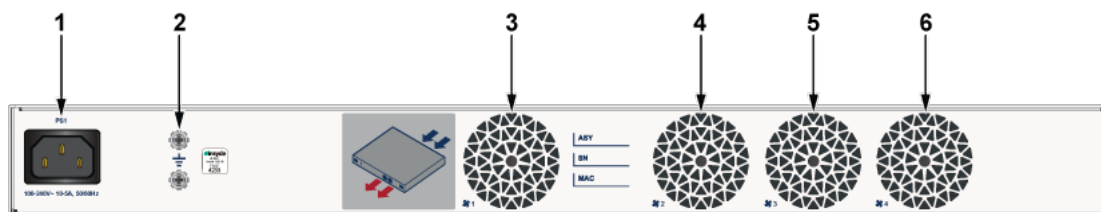
Figure 23: CCS-720DP-24ZS-F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Fan3
6	Fan4

8.14   CCS-720DP-48ZS-2F

The CCS-720DP-48ZS-2F rear panel includes the following key components:

Figure 24: CCS-720DP-48ZS-2F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Fan3
6	Fan4
7	Power Supply2 (PS2)

8.15   CCS-720DP-48ZS-F

The CCS-720DP-48ZS-F rear panel includes the following key components:
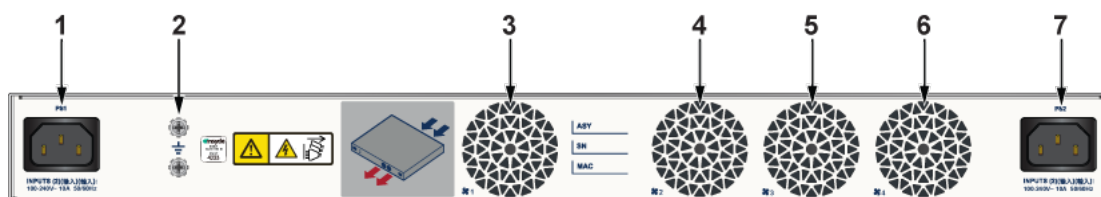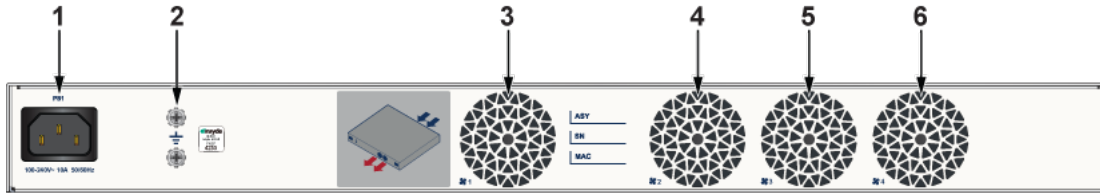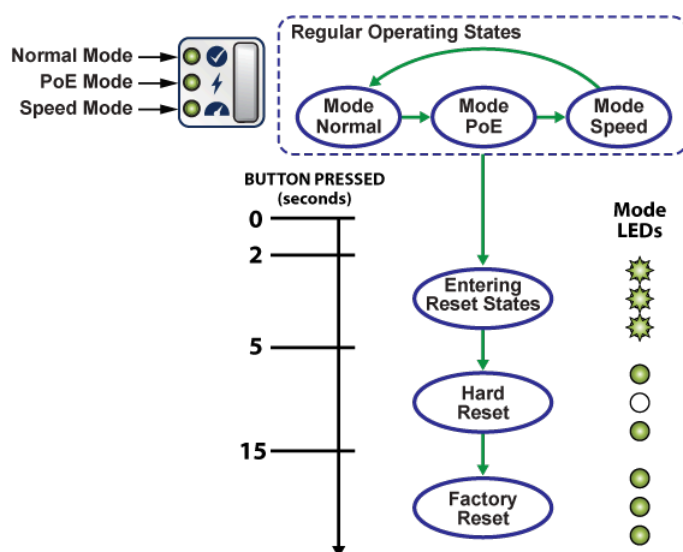
Figure 25: CCS-720DP-48ZS-F Rear Panel

1	Power Supply1 (PS1)
2	Earth Grounding Point
3	Fan1
4	Fan2
5	Fan3
6	Fan4

Operating Mode Button

This section describes the functionality of the mode button located on the front panel of the switch.

Figure 26: Mode Button States

The mode button port LEDs will transition to different modes as listed below when the user presses the mode button for less than 2 seconds and the same is indicated by the corresponding mode status LED.

* Normal Mode
* PoE Mode
* Speed Mode

In addition to controlling the port/mode LEDs, the button can trigger other actions including a hard reset and a factory reset. To access these actions, it is required to long-press the button as shown in the figure Figure 26: Mode Button States.

* **Entering Reset States:**

    If you press-and-hold the button for more than 2 seconds, all the 3 mode status LEDs will flash to indicate the transition from regular operating states to reset states. If the button is released before 5 seconds, no action will occur and the system will return to its previous mode (normal, PoE, or link speed).

* **Hard Reset:**

    If you press-and-hold the button for about 5 to 15 seconds, it will trigger a hard reset of the system 2 seconds later.

* **Factory Reset:**

    If you press-and-hold the button for about 15 seconds or longer, it will trigger a hard reset of the system 2 seconds later. In addition, the system will also trigger factory reset on system configuration.

Regulatory Model Numbers

This section lists the Regulatory Model Numbers (RMNs) of the ethernet switch described in this document.

**Table 11: RMNs**

Product Number	Regulatory Model Number (RMN)
CCS-720DP-48S-2F CCS-720DP-48S-F	AN1755
CCS-720DP-24S-2F CCS-720DP-24S-F	AN1756
CCS-720DT-48S-2F CCS-720DT-48S-F	AN1784
CCS-720DT-48S-2R CCS-720DT-48S-R	AN1784
CCS-720DT-24S-2F CCS-720DT-24S-F	AN1785
CCS-720DF-48Y-2F CCS-720DF-48Y-F	AN1757
CCS-720DP-24ZS-2F CCS-720DP-24ZS-F	AN1754
CCS-720DP-48ZS-2F CCS-720DP-48ZS-F	AN1753

Screw Size Details

Refer to the following template for detailed screw size information.
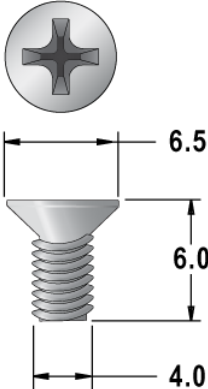
M4X6mm SCREW

Class A EMC Statement

Refer to the following section for detailed Class A EMC Statement.

Figure 27: Traditional Chinese Class A EMC Statement (Taiwan)

警告使用者
此為甲類資訊技術設備，於居住環境中使用時，可
能會造成射頻擾動，在此種情況下，使用者會被要
求採取某些適當的對策。

China RoHS

This appendix provides RoHS information for ethernet switch described in this guide.

Figure 28: China RoHS

产品中有害物质的名称及含量_AN1758/AN1786

部件名称	有害物质					
	铅（Pb）	汞（Hg）	镉（Cd）	六价铬（Cr(VI)）	多溴联苯（PBB）	多溴二苯醚（PBDE）
机构件 (Mechanism Assembly)	O	O	O	O	O	O
印刷电路板组 件和组件 (PCBA)	O	O	O	O	O	O
电容 (Capacitance)	O	O	O	O	O	O
螺丝组件 (Screw Assembly)	O	O	O	O	O	O
电源供应器 (Adaptor)	O	O	O	O	O	O
配件组 (Accessories)	O	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制。
This table is prepared in accordance with SJ/T 11364.
O：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。
O: Express that this hazardous substances is below the specified limits as described in GB/T 26572.
X：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。
X: Express that this hazardous substances is above the specified limits as described in GB/T 26572.

BSMI RoHS

This appendix provides RoHS information for ethernet switch described in this guide.

Figure 29: BSMI RoHS

限用物質含有情況標示聲明書
Declaration of the Presence Condition of the Restricted Substances Marking

設備名稱： Equipment name	乙太網交換機			型號(型式)： Type designation (Type)		AN1758 AN1786
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr^{+6})	多溴聯苯 Polybrominat ed biphenyls (PBB)	多溴聯苯醚 Polybrominate d diphenyl ethers (PBDE)
機構件 Mechanism Assembly	○	○	○	○	○	○
印刷電路板 Motherboard Assembly	○	○	○	○	○	○
電容 Capacitance	○	○	○	○	○	○
螺絲組件 Screw Assembly	○	○	○	○	○	○
電源適配器 Adaptor	○	○	○	○	○	○
配件組 Accessories	○	○	○	○	○	○

備考1.〝超出0.1 wt %〞及〝超出0.01 wt %〞係指限用物質之百分比含量超出百分比含量基準值。
Note 1 : "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2.〝○〞係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2 : "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3.〝－〞係指該項限用物質為排除項目。
Note 3 : The "−" indicates that the restricted substance corresponds to the exemption.

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