

# ARISTA

## QUICK START GUIDE

### 710P Series Ethernet Switch

CCS-710P-12

CCS-710P-16P



[Arista.com](https://www.arista.com)

Arista Networks

DOC-05297-02

<b>Headquarters</b>	<b>Support</b>	<b>Sales</b>
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
<a href="http://www.arista.com/en/">www.arista.com/en/</a>	<a href="mailto:support@arista.com">support@arista.com</a>	<a href="mailto:sales@arista.com">sales@arista.com</a>

© Copyright 2025 Arista Networks, Inc. All rights reserved. The information contained herein is subject to change without notice. The trademarks, logos, and service marks ("Marks") displayed in this documentation are the property of Arista Networks in the United States and other countries. Use of the Marks is subject to the Arista Networks Terms of Use Policy, available at [www.arista.com/en/terms-of-use](http://www.arista.com/en/terms-of-use). Use of marks belonging to other parties is for informational purposes only.

# Contents

- Chapter 1: Overview..... 1**
  - 1.1 Scope..... 1
  - 1.2 Receiving and Inspecting the Equipment..... 1
  - 1.3 Installation Process..... 1
  - 1.4 Safety Information..... 2
  - 1.5 Obtaining Technical Assistance..... 2
  - 1.6 Specifications..... 3
  
- Chapter 2: Preparation..... 5**
  - 2.1 Site Selection..... 5
  - 2.2 Tools and Parts Required for Installation..... 6
  - 2.3 Electrostatic Discharge (ESD) Precautions..... 6
  
- Chapter 3: Rack Mounting the Switch..... 7**
  - 3.1 Wall Mount..... 7
    - 3.1.1 L-Bracket Wall Mount (Default)..... 7
    - 3.1.2 3-in-1 Bracket Wall Mount (Optional)..... 8
  - 3.2 Under Table Mount..... 11
    - 3.2.1 L-Bracket Under Table Mount (Default)..... 11
    - 3.2.2 3-in-1 Bracket Under Table Mount (Optional)..... 12
  - 3.3 Desktop Mount (Default)..... 14
  - 3.4 Magnetic Mount (Optional)..... 15
  - 3.5 DIN Rail Mount (Optional)..... 15
  - 3.6 1RU Rack Mount (Optional)..... 17
    - 3.6.1 Attaching Mounting Brackets to the Chassis..... 17
    - 3.6.2 Inserting the Switch into the Rack..... 18
  
- Chapter 4: Grounding the Switch..... 20**
  
- Chapter 5: Configuring the Switch..... 21**
  
- Chapter 6: Status Indicators..... 23**
  
- Chapter 7: Parts List..... 26**
  
- Chapter 8: Front Panel..... 27**
  - 8.1 CCS-710P-12..... 27
  - 8.2 CCS-710P-16P..... 27
  
- Chapter 9: Rear Panel..... 29**

<b>Chapter 10: Operating Mode Button.....</b>	<b>30</b>
<b>Appendix A: Regulatory Model Numbers.....</b>	<b>31</b>
<b>Appendix B: Screw Size.....</b>	<b>32</b>
<b>Appendix C: BSMI Class A EMC Statement.....</b>	<b>33</b>
<b>Appendix D: RoHS Information.....</b>	<b>34</b>

## Overview

---

This guide is for network or security professionals and technicians who need to install the required Arist 710P Series Ethernet Switch.

This section discusses the following topics:

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

### 1.1 Scope

This section lists the devices this guide covers.

**Important:**



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

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

CCS-710P-12

CCS-710P-16P

### 1.2 Receiving and Inspecting the Equipment

Upon receiving the device, inspect the shipping boxes and record if there is any external damage. Retain the packing equipment if you suspect any part of the shipment is damaged; the carrier might need it inspected.

If the boxes were not damaged during transit, unpack them carefully. Do not discard any accessories that have been packed in the same box as the switch.

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

### 1.3 Installation Process

This section discusses the steps required to install the switch:

**Important:**

**Class 1 Laser Product:** This product has provisions for installing Class 1 laser transceivers that provide optical coupling to the communication network. Once 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.



**Produit Laser de classe 1:** Ce produit a des dispositions pour installer des émetteursrécepteurs de laser de classe 1 qui offre de couplage au réseau de communication optique. Une fois un produit laser de classe 1 est installé, l'équipement est un produit Laser de classe 1 (Appareil à Laser de Classe 1). Le client est responsable pour sélectionner et installer l'émetteur/récepteur de laser de classe 1 et pour assurer que la classe 1 AEL (limite d'émission admissible) par EN/IEC 60825, CSA E60825-1, et Code des règlements fédéraux 21 CFR 1040 ne soit pas dépassée après avoir installé l'émetteur/récepteur de laser. Ne pas installer des appareils à laser dont la cote de classe est supérieure à 1. Voir toutes les consignes de sécurité qui ont accompagné l'émetteur-récepteur avant l'installation. Seuls appareils laser de classe 1 certifiés pour une utilisation dans le pays d'installation par l'organisme compétent doivent être utilisées dans ce produit.

**Important:**



Ultimate disposal of this product should be in accordance with national laws and regulations.

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

The following steps are to be followed to install the switch:

1. Select the installation site. ([Site Selection](#))
2. Assemble the installation tools listed. ([Tools and Parts Required for Installation](#))
3. Attach the mounting brackets and install the switch in an equipment rack. ([Rack Mounting the Switch](#))
4. Connect the switch to the power source and network devices. ([Grounding the Switch](#))
5. Configure the switch. ([Configuring the Switch](#))

## 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](mailto:support@arista.com)

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 recent software and documentation, and view FAQs, Knowledge Base articles, Security Advisories, and Field Notices.

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

## 1.6 Specifications

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

**Table 1: Switch Specifications (Dimensions and Weights)**

Device	Size (W x H x D) Size (L x W x H)	Weight
CCS-710P-12 (AN1758)	269 x 43.5 x 213.36 mm (10.59 x 1.7 x 8.4 inches)	2.05 kg (4.51 lbs)
CCS-710P-16P (AN1786)	269 x 43.5 x 213.36 mm (10.59 x 1.7 x 8.4 inches)	2.27 kg (5.0 lbs)

**Table 2: Switch Specifications (Operational and Storage)**

Device	Operating Temperature		Storage Temperature	Operating Altitude	Relative Humidity
	Desktop	Hanging / Under Table			
CCS-710P-12	0 to 40°C (32° to 104°F)	0 to 35°C (32° to 95°F)	0 to 3,000 meters (0 to 10,000 feet)	0 to 3,000 meters (0 to 10,000 feet)	95% (non-condensing)
CCS-710P-16P	0 to 40°C (32° to 104°F)	0 to 35°C (32° to 95°F)	0 to 3,000 meters (0 to 10,000 feet)	0 to 3,000 meters (0 to 10,000 feet)	95% (non-condensing)

**Table 3: Switch Specifications (Power Ratings)**

Device	Input Power Rating
CCS-710P-12	100 - 240 V~, 2.0 A, 50/60 Hz
CCS-710P-16P	100 - 240 V~, 3.9 A, 50/60 Hz

**Table 4: Switch Specifications (PoE Power Budget)**

<b>Device</b>	<b>PSU Model</b>	<b>PoE Power Budget</b>
CCS-710P-12	PWR-150-ADP	110W
CCS-710P-12	PWR-280-ADP	240W
CCS-710P-16P	90W PoE PD	40W
CCS-710P-16P	PWR-150-ADP	100W
CCS-710P-16P	PWR-280-ADP	230W

## Preparation

---

This section discusses the initial set up and preparation for installing the switch.

- [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.

**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 surchauffe, ne pas utiliser il dans une zone où la température ambiante est supérieure à 40°C (104°F).

- **Airflow Orientation:** The fans and PSUs determine the airflow direction through the switch. The color of the visible handles or labels indicates the airflow direction.

Orient the switch so that the airflow flows from the cooler to the hotter aisle. If the airflow direction is incompatible with the installation site, reorient the fan modules to circulate air in the opposite direction.

- **Rack Space:** Install the switch in a 19" rack or cabinet. The switch height is 1 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. For information regarding your specific device, refer to the [Specifications](#).

**Important:**



The power input plug-socket combination must be always accessible; 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.



**Important:**

All power connections must be removed to de-energize the unit.

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

- **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 that the following guidelines are met:
  - Clearance areas to the front and rear panels allow for unrestricted cabling.
  - All front and rear panel indicators are visualizable.
  - Power cords can reach from the power outlet to the connector on the rear panel.

## 2.2 Tools and Parts Required for Installation

Each device has an accessory kit containing the parts required to install the switch. In addition to the accessory kit, the following tools and equipment are required to install the switch:

### Two-Post Rack

- #1 and #3 Phillips head screwdrivers (this may differ based on supplied accessories).
- Screws or rack mounting nuts and bolts.

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.
- A conductive work surface (such as an anti-static mat) dissipates 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 provides instructions on how to rack mount the switch.

This section discusses the following topic:

- [Wall Mount](#)
  - [L-Bracket Wall Mount \(Default\)](#)
  - [3-in-1 Bracket Wall Mount \(Optional\)](#)
- [Under Table Mount](#)
  - [L-Bracket Under Table Mount \(Default\)](#)
  - [3-in-1 Bracket Under Table Mount \(Optional\)](#)
- [Desktop Mount \(Default\)](#)
- [Magnetic Mount \(Optional\)](#)
- [DIN Rail Mount \(Optional\)](#)
- [1RU Rack Mount \(Optional\)](#)

### 3.1 Wall Mount

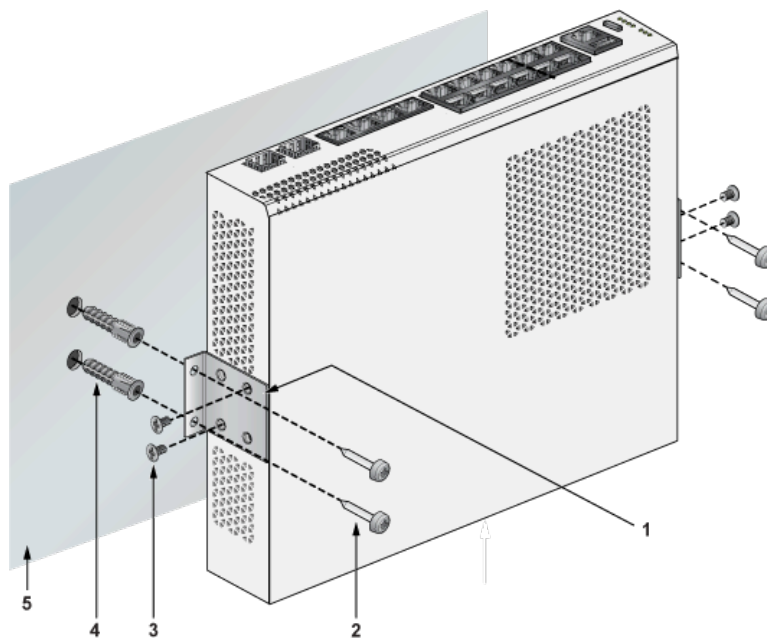
This section provides instructions for wall mounting the switch.

- [L-Bracket Wall Mount \(Default\)](#)
- [3-in-1 Bracket Wall Mount \(Optional\)](#)

### 3.1.1 L-Bracket Wall Mount (Default)

This section provides instructions for wall mounting the switch using an L-Bracket.

**Figure 3-1: Wall Mounting the Switch using L-Bracket**



- |   |                            |   |                 |
|---|----------------------------|---|-----------------|
| 1 | L-Bracket (Left and Right) | 4 | Screw anchor M4 |
| 2 | Screw M4x25mm              | 5 | Flat surface    |
| 3 | Flat head screw M4x6mm     |   |                 |



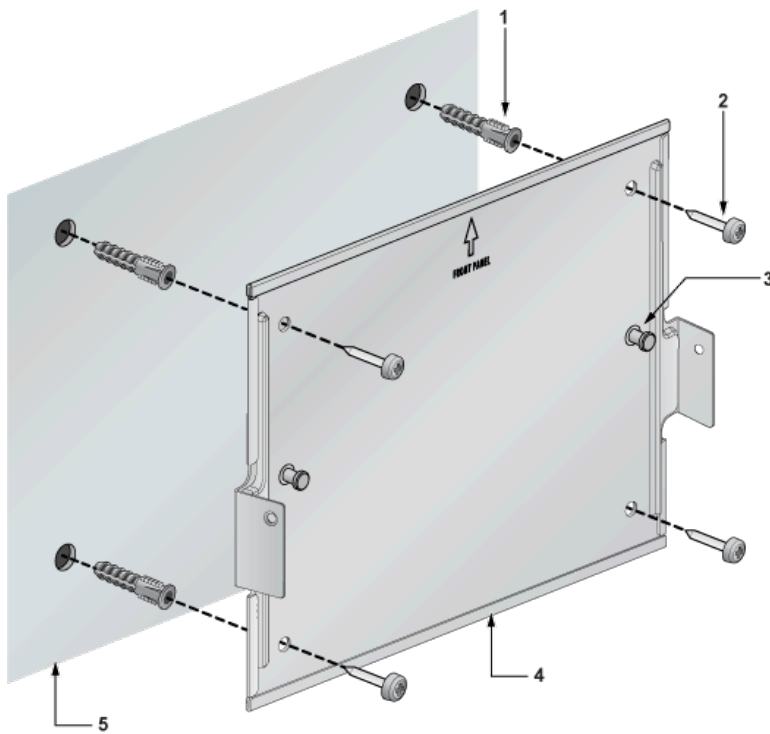
**Note:** For more information regarding the screw size, refer to [Screw Size](#).

1. Position the L-Bracket aligning with the chassis holes on the side of the switch and fix it with M4x6mm flat head screws. The L-Bracket is attached to the chassis.
2. Attach the remaining L-Bracket on the other side of the chassis and fix it with M4x6mm flat head screws.
3. Determine the mounting position to attach the switch to the wall.
4. Drill four holes (two on each side) 7x25mm deep on the wall. Refer to the L-Bracket for detailed hole locations.
5. Insert M4 screw anchor to the four holes drilled on the wall.
6. Place the chassis, attached with an L-Bracket, on the wall, aligning with the mounting holes, and secure the device with M4x25mm screws.
7. Tighten the screws to fix the device firmly to the wall.

### 3.1.2 3-in-1 Bracket Wall Mount (Optional)

This section provides instructions for wall mounting the switch using a 3-in-1 mounting bracket.

**Figure 3-2: 3-in-1 Mounting Bracket**



1 Screw anchor M4

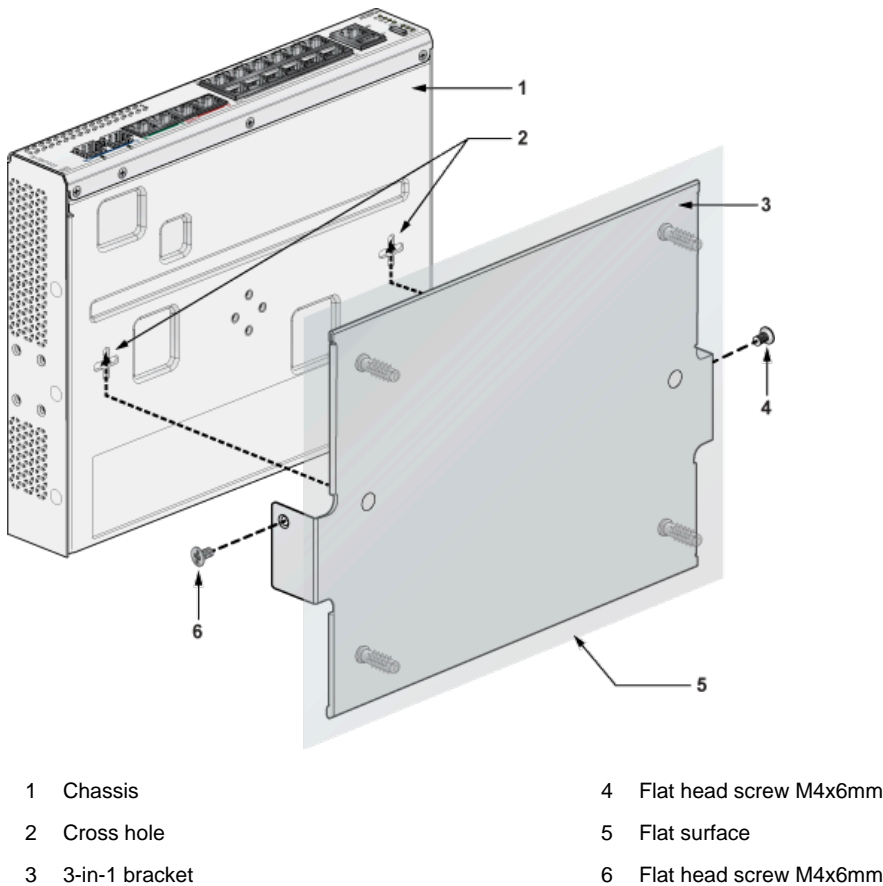
2 Screw M4x25mm


3 Cross hole stud

4 3-in-1 bracket

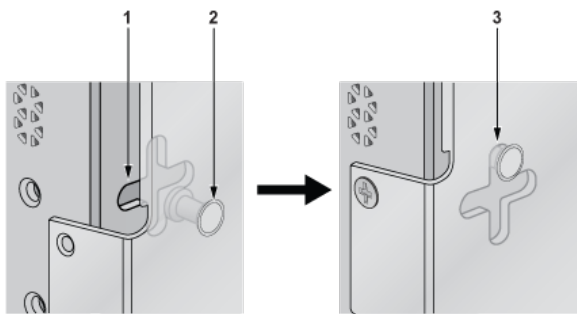
5 Flat surface

**Figure 3-3: Wall Mounting the Switch**

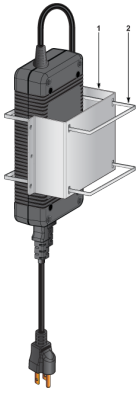


 **Note:** For more information regarding the screw size, refer to [Screw Size](#).

1. Determine the wall mounting position to attach the device.
2. Place the 3-in-1 bracket on the wall and mark the mounting holes on the four corners, aligning with holes on the 3-in-1 mounting bracket. [Figure 3-2: 3-in-1 Mounting Bracket](#)
3. Fix the 3-in-1 bracket to the wall using the screws.
4. Attach the switch to the 3-in-1 bracket using the screws and studs. [Figure 3-3: Wall Mounting the Switch](#)
5. Align the 3-in-1 bracket holes with the switch properly as shown in the following image:



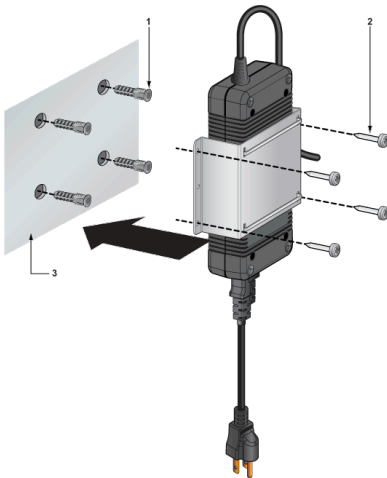
6. Tighten the screws to mount the device firmly to the wall and connect to the power supply.
7. Place the PSU adapter bracket on the PSU and fix it with cable ties around it.



1 PSU adapter bracket

2 Cable ties

8. Determine the wall mounting position to attach the PSU adapter bracket.
9. Place the PSU adapter bracket on the wall and mark the mounting holes on the four corners, aligning with the mounting bracket.



1 Screw anchor M4

3 Flat surface

2 Screw M4x25mm

10. Fix the PSU adapter bracket to the wall using the screws.

## 3.2 Under Table Mount

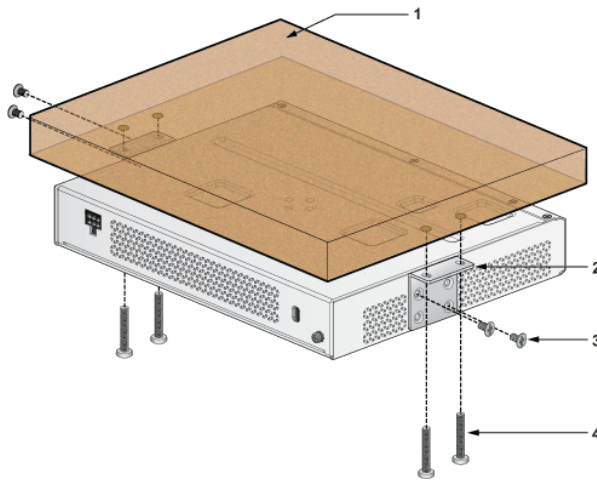
This section provides instructions for mounting the switch under the table/desk.

- [L-Bracket Under Table Mount \(Default\)](#)
- [3-in-1 Bracket Under Table Mount \(Optional\)](#)

### 3.2.1 L-Bracket Under Table Mount (Default)

This section provides instructions for mounting the switch under the table/desk using an L-Bracket.

**Figure 3-4: Under Table Mounting the Switch using L-Bracket**



- |                       |                          |
|-----------------------|--------------------------|
| 1 Flat wooden surface | 3 Flat head screw M4x6mm |
| 2 L-Bracket           | 4 Screw M4x25mm          |



**Note:** For more information regarding the screw size, refer to [Screw Size](#).



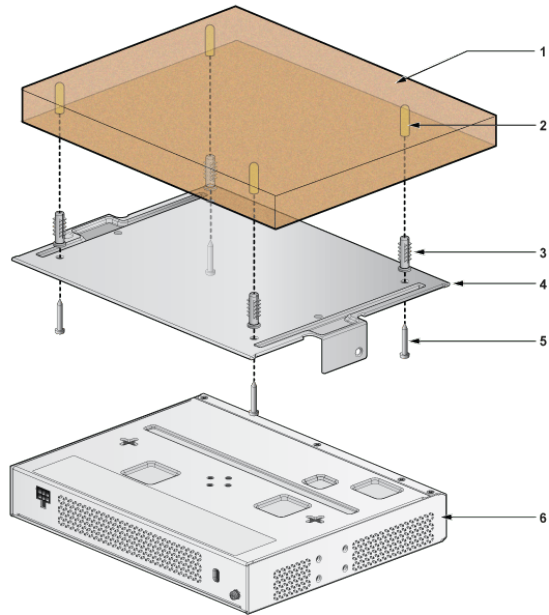
**Note:** Ensure that the flat wooden table surface has a minimum thickness of 25mm for under table mounting.

1. Position the L-Bracket aligning with the chassis holes on the side of the switch and fix it with M4x6mm flat head screws. The L-Bracket is attached to the chassis.
2. Attach the remaining L-Bracket on the other side of the chassis and fix it with M4x6mm flat head screws.
3. Determine the mounting position to attach the switch under the table.
4. Place the chassis, attached with L-Bracket, under the table and secure the device with M4x25mm screws.
5. Tighten the screws to fix the device firmly under the table.

### 3.2.2 3-in-1 Bracket Under Table Mount (Optional)

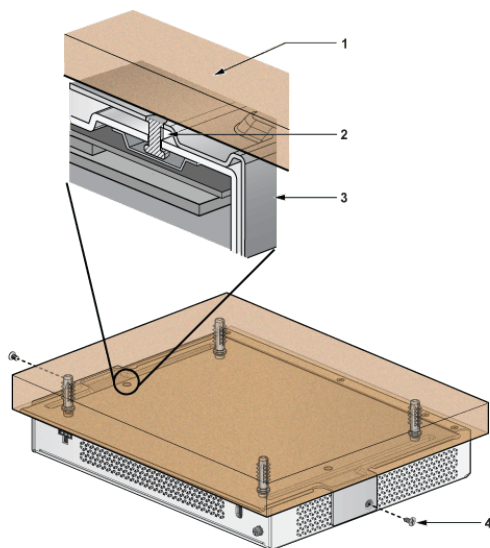
This section provides instructions for mounting the switch under the table/desk using a 3-in-1 mounting bracket.

**Figure 3-5: 3-in-1 Bracket Under Table Mount**



- |                       |                  |
|-----------------------|------------------|
| 1 Flat wooden surface | 4 3-in-1 bracket |
| 2 Screw hole          | 5 Screw M4x25mm  |
| 3 Screw anchor M4     | 6 Device         |

**Figure 3-6: Under Table Mounting the Switch**



- |                       |                          |
|-----------------------|--------------------------|
| 1 Flat wooden surface | 3 3-in-1 bracket         |
| 2 Cross hole          | 4 Flat head screw M4x6mm |



**Note:** For more information regarding the screw size, refer to [Screw Size](#).



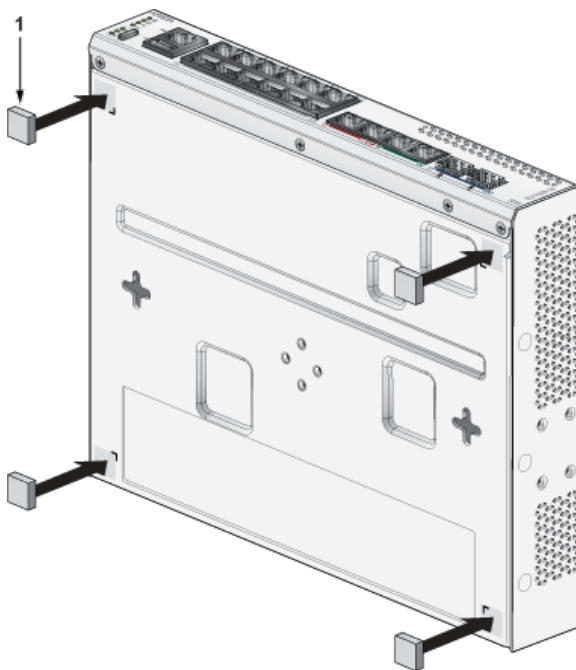
**Note:** Ensure that the flat wooden table surface has a minimum thickness of 25mm for under table mounting.

1. Determine the mounting position to attach the switch under the table.
2. Place the 3-in-1 bracket under the table and mark the mounting holes on the four corners, aligning with holes on the 3-in-1 mounting bracket. [Figure 3-5: 3-in-1 Bracket Under Table Mount](#)
3. Fix the 3-in-1 bracket under the table using the M4x25mm screws on the four corners.
4. Attach the switch to the 3-in-1 bracket by aligning with the chassis holes.
5. Tighten the screws to fix the device firmly under the table.

### 3.3 Desktop Mount (Default)

This section provides instructions for mounting the switch on the desktop or any flat surface.

**Figure 3-7: Attaching Rubber Feet**



- 1 Rubber feet



**Note:** Make sure that the device is not stacked and avoid placing anything on the top cover of the device.

1. Peel the four rubber feet from the master sheet provided in the kit.
2. Attach the adhesive rubber feet to the four corners on the bottom of the switch.  
The rubber foot prevents the switch from sliding off the table and protects the table surface.
3. Place the switch on the desktop or any flat surface with a connecting power supply.

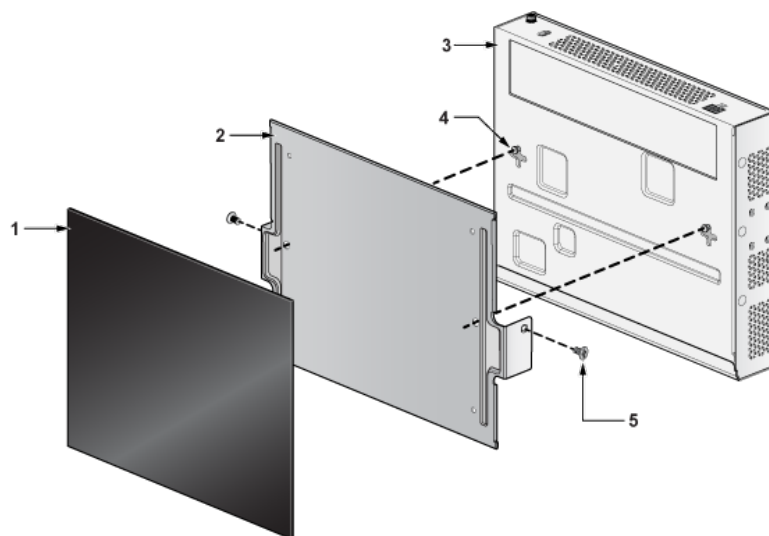
## 3.4 Magnetic Mount (Optional)

This section provides instructions for magnetically mounting the switch.



**Note:** Magnetic mounting is applicable to mount only on the metal surfaces.

**Figure 3-8: Magnetic mount**



- |                           |                          |
|---------------------------|--------------------------|
| 1 Rubber Magnet           | 4 Cross hole             |
| 2 3-in-1 bracket          | 5 Flat head screw M4x6mm |
| 3 Switch facing downwards |                          |



**Note:** For more information regarding the screw size, refer to [Screw Size](#).



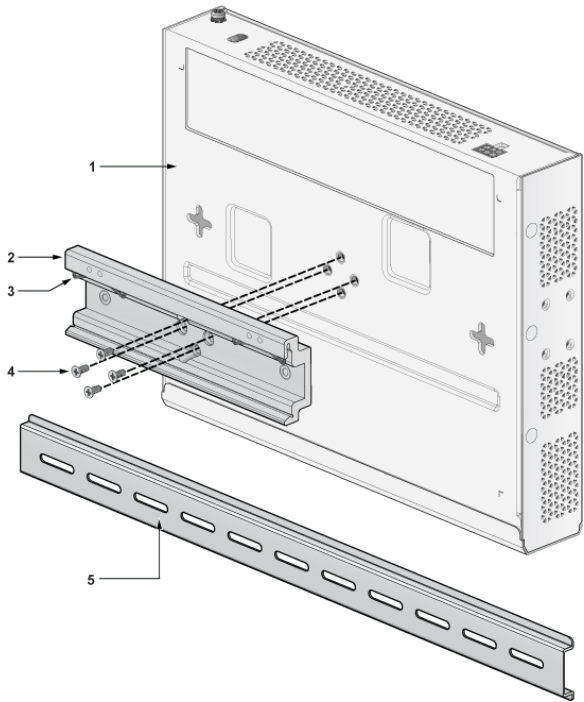
**Note:** While magnetic mounting the switch, ensure that the front panel is facing sideways or downwards. Do not mount the switch with front panel facing up.

1. Attach the switch to the 3-in-1 bracket using the screws provided in the magnetic mount kit.
2. Tighten the screws to fix the device firmly.
3. Attach the rubber magnet to the 3-in-1 bracket. The rubber magnet holds the product firmly. The size of the rubber magnet is 250mm x 200mm.
4. Place the device on a flat surface and fix it.

## 3.5 DIN Rail Mount (Optional)

This section provides instructions for mounting the switch using a DIN rail.

**Figure 3-9: DIN Rail Mount**

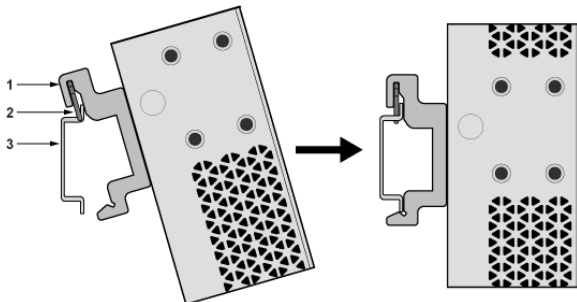


- |                     |                          |
|---------------------|--------------------------|
| 1 Chassis           | 4 Flat head screw M4x6mm |
| 2 DIN mount bracket | 5 DIN rail               |
| 3 DIN rail hook     |                          |



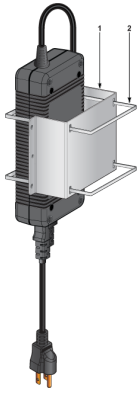
**Note:** For more information regarding the screw size, refer to [Screw Size](#).

1. Position the DIN mount bracket on the chassis, aligning it with the holes, and fix it with M4x6mm flat head screws. The DIN mount bracket is attached to the chassis.
2. Place the DIN rail on the DIN mount bracket by aligning it with the DIN rail holder.
3. Attach the DIN rail to the mounting bracket with the help of DIN rail hook as shown in the following image:



- |                     |                   |
|---------------------|-------------------|
| 1 DIN mount bracket | 3 DIN rail holder |
| 2 DIN rail hook     |                   |

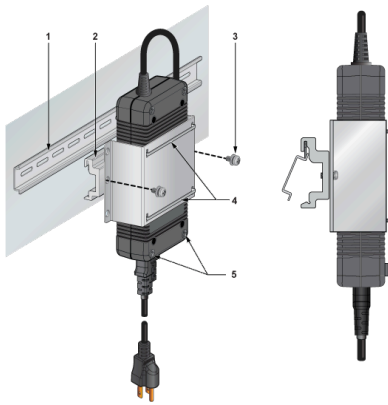
4. Press the DIN rail holder firmly and rotate the chassis to fit the device.
5. Place the PSU adapter bracket on the PSU and fix it with cable ties around it.



1 PSU adapter bracket

2 Cable ties

6. Position the PSU adapter bracket on the DIN mount bracket, aligning it with the screw holes, and fix it with M4x8mm thread screws. The PSU is attached to the DIN rail.



1 DIN rail

2 DIN mount bracket

3 Thread screw M4x8mm

4 Cable ties

5 Rubber pads

## 3.6 1RU Rack Mount (Optional)

This section provides instructions for rack mounting the switch.

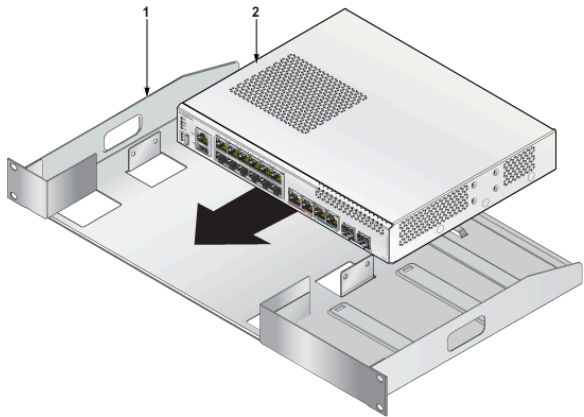
To mount the switch into a rack, assemble the mounting brackets to the chassis, then attach the brackets to the rack posts. It includes:

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

### 3.6.1 Attaching Mounting Brackets to the Chassis

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

**Figure 3-10: Attaching the Mounting Brackets**



1 1RU Rack

2 Device



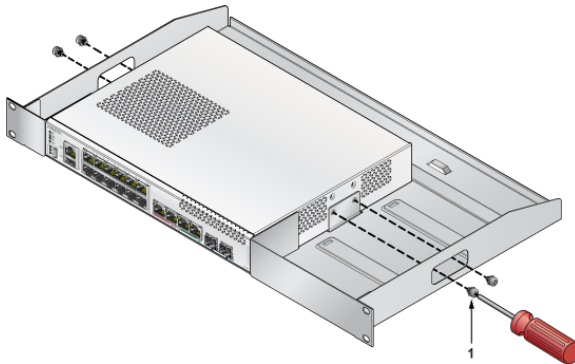
**Note:** Ensure that there is about 1U rack spacing between the two devices on the rack.

1. Align the rack mounting brackets with the chassis holes at the front of the switch.
2. Secure the mounting brackets using the screws provided in the rack mounting kit.

### 3.6.2 Inserting the Switch into the Rack

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

**Figure 3-11: Inserting the Switch into the Rack**

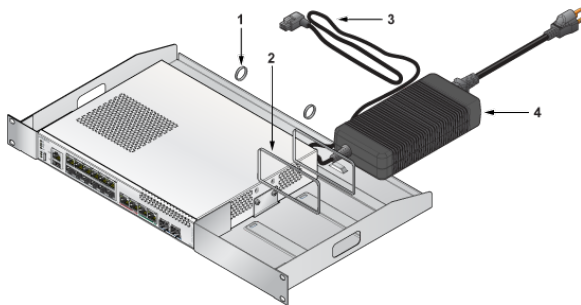


1 Thread screw M4x6mm



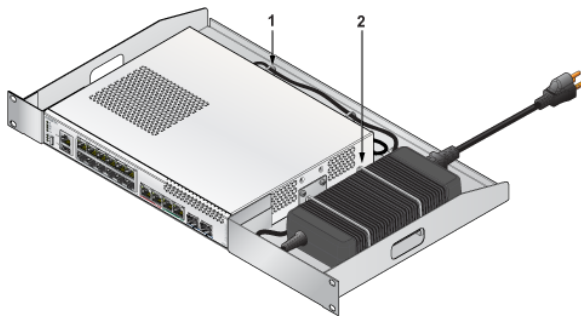
**Note:** For more information regarding the screw size, refer to [Screw Size](#).

1. Place the switch into the rack by aligning the holes of the mounting bracket with the appropriate holes on the chassis.
2. Secure the switch into the rack using the thread screws provided in the rack mount kit.
3. Insert the power adapter in the adapter bracket located next to the switch.



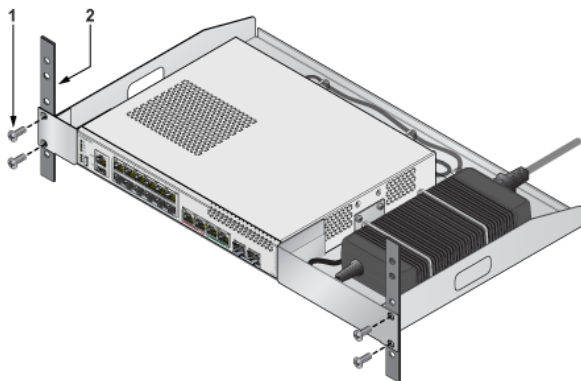
- 1 Cable ring
- 2 Cable ties
- 3 Power adapter cable
- 4 Power adapter

4. Connect the power adapter to the switch as shown in the following image:



- 1 Cable ring
- 2 Cable ties

5. Position the rack against the rack posts and mount the rack to the equipment rack.



- 1 Screw M4x8mm
- 2 Rack posts

6. Secure the equipment rack using the screws.

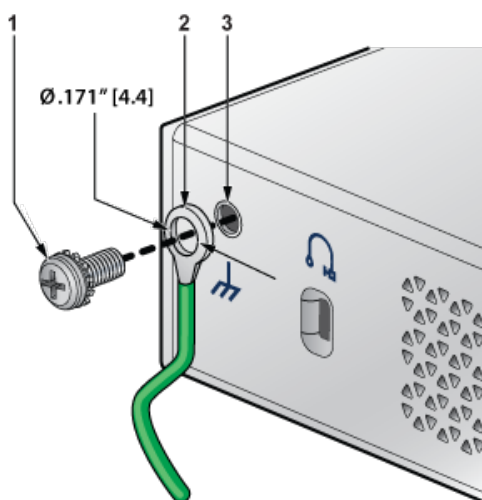
7. For thermal purposes, make sure that there is 1RU clearance above the rack mount bracket.

## Grounding the Switch

This section discusses the importance of grounding the device to the data center ground.

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

**Figure 4-1: 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.



**CAUTION:** The grounding connection must only be removed if all supply connections are disconnected.

1. Ensure the rack is properly grounded and complies with ETSI ETS 300 253.
2. Verify a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment).
3. Attach the solder terminal lug to an 18 AWG minimum grounding wire 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.

## 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.
2. Connect the console port to a PC.

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 with the **username secret** command.

```
localhost(config)# username admin secret pxq123
```

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
```

11. When the management port IP address is configured, 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.

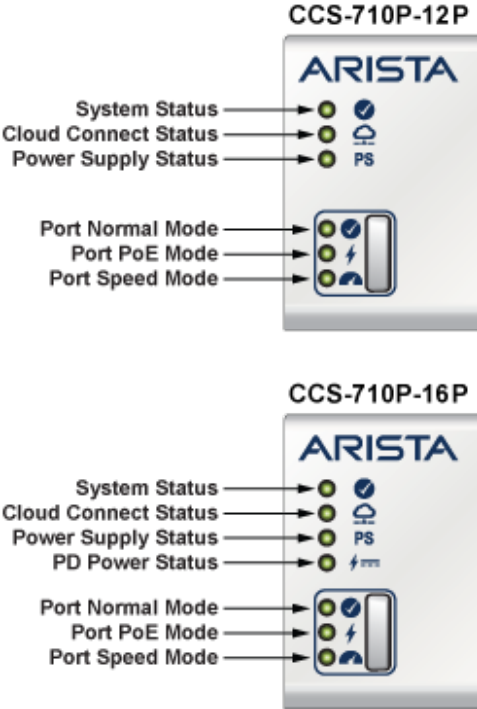


**Note:** The device configuration does not stream voltage and current data.

# Status Indicators

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

Figure 6-1: LED Status Indicators



**Table 5: LED Status**

LED Name	LED State	Device Status
System Status LED	Off	No power or in the midst of a power cycle.
	Blinking Green	The system is powering up.
	Green	The system is operating in a normal initialization sequence. Normal operations.
	Blue	The locator function is active.
	Amber	The system is malfunctioning. System is overheating, or temperature sensors have recorded passing the software-defined critical threshold.  The switch will automatically execute a “graceful shutdown” shortly.
Cloud Connect Status LED	Off	The system is not connected to the cloud.
	Green	The system is connected to the cloud.
	Amber	There is problem connecting to the cloud.
Power Supply Status LED	Off	The power supply adapter is not available.
	Green	The power supply adapter is fully functional.
	Amber	The power supply adapter has a fault.
PD Port Power Status LED (710P-16P only)	Off	The PD port power is not available.
	Green	The PD port power is fully functional.
	Amber	The PD port power has a fault.
Port Normal Mode LED	Off	Normal mode is not selected.
	Green	The port LED is selected to indicate the port link status (normal mode).
Port PoE Mode LED	Off	PoE mode is not selected.
	Green	The port LED is selected to indicate the port PoE status.
Port Speed Mode LED	Off	Speed mode is not selected.
	Green	Port LED is selected to indicate the port speed.

Table 6: Port LED Modes

Port LEDs	Normal Mode		PoE Mode		Speed Mode	
1GE RJ45 Port LED (P1 to P12)	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
5GE RJ45 Port LED (P13 to P14, 710P-16P only)	Off	Port link is down	Off	No PoE	Blinking Amber	1G
	Green	Port link is up	Blinking Amber	15W	Amber	2.5G
	Amber	Port is software disabled	Amber	30W	Green	5G
			Blinking Green	60W		
5GE RJ45 Port LED (P15, 710P-16P only)	Off	Port link is down	Off	No PoE	Blinking Amber	1G
	Green	Port link is up			Amber	2.5G
	Amber	Port is software disabled			Green	5G
5GE RJ45 Port LED (P16, 710P-16P only)	Off	Port link is down	Off	No PoE	Blinking Amber	1G
	Green	Port link is up	Blinking Green	60W	Amber	2.5G
	Amber	Port is software disabled	Green	90W	Green	5G
SFP+ Port LED (P13 to P14, 710P-12 / P17 to P18, 710P-16P)	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

## Parts List

---

This section lists the installation parts contained in the switch accessory kit. Each device has an accessory kit that contains the necessary parts to install the switch.

### Default Accessories

The following accessories are available along with the device:

- L-bracket (left)
- L-bracket (right)
- Rubber feet
- Power adapter
- Flat head screw M4x6mm
- Power cable (specified during time of purchase as it's country-specific or no power cord)

### Optional Accessories

The following are the optional accessories and should be ordered separately if required:

Spare SKU	Description
KIT-CCS-710	Accessory Kit for Arista 710P Series switches
KIT-CCS-710-DIN	DIN-Rail Mount Kit for Arista 710P Series switches
KIT-CCS-710-RM	Rack Mount Kit for Arista 710P Series switches
KIT-CCS-710-MGN	Magnet Mount Kit for Arista 710P Series switches

### Product Description

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

SKU	Product Description
CCS-710P-12	Arista Power Adapter, 150W, PoE, AC (Spare)
CCS-710P-16P	Arista Power Adapter, 280W, PoE, AC (Spare)

## Front Panel

This section discusses the front panel of the Ethernet Switch.

- [CCS-710P-12](#)
- [CCS-710P-16P](#)

### 8.1 CCS-710P-12

The CCS-710P-12 front panel includes the following key components:

**Figure 8-1: CCS-710P-12 Front Panel**

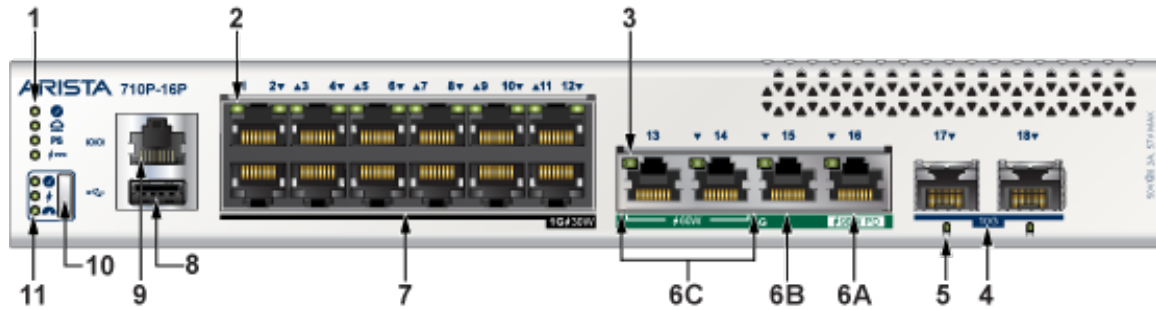


- |   |                                  |   |                  |
|---|----------------------------------|---|------------------|
| 1 | System Status LEDs               | 6 | USB port         |
| 2 | Port LEDs                        | 7 | Console port     |
| 3 | SFP+ ports                       | 8 | Mode Button      |
| 4 | SFP+ port LEDs                   | 9 | Mode Status LEDs |
| 5 | Ethernet RJ45 ports with 30W PSE |   |                  |

## 8.2 CCS-710P-16P

The CCS-710P-16P front panel includes the following key components:

Figure 8-2: CCS-710P-16P Front Panel



- |   |  |    |                                  |
|---|--|----|----------------------------------|
| 1 | System Status LEDs                           | 7  | Ethernet RJ45 ports with 30W PSE |
| 2 | Port LEDs                                    | 8  | USB port                         |
| 3 | 5GE port LEDs                                | 9  | Console port                     |
| 4 | SFP+ port LEDs                               | 10 | Mode button                      |
| 5 | PoE Ports                                    | 11 | Mode status LEDs                 |
| 6 | 6A: Uplink 5G Ethernet RJ45 port with 90W PD |    |                                  |
|   | 6B: Uplink 5G Ethernet RJ45 port             |    |                                  |
|   | 6C: 5G Ethernet RJ45 ports with 60W PSE      |    |                                  |

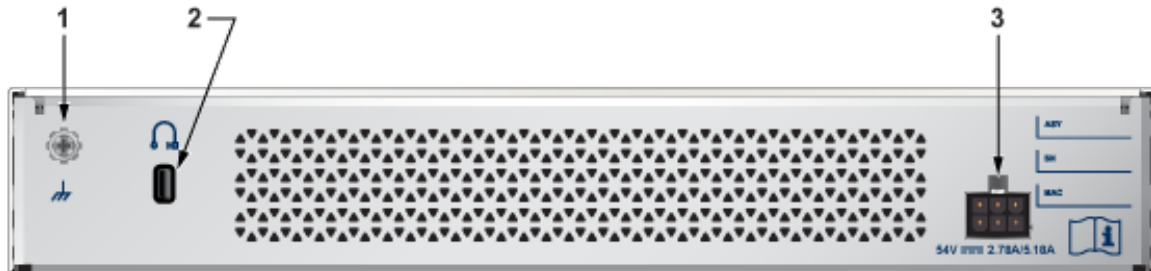
## Rear Panel

---

The section discusses the rear panel of the Ethernet Switch.

The CCS-710P-12 and CCS-710P-16P rear panels include the following key components:

**Figure 9-1: CCS-710P-12 and CCS-710P-16P Rear Panel**



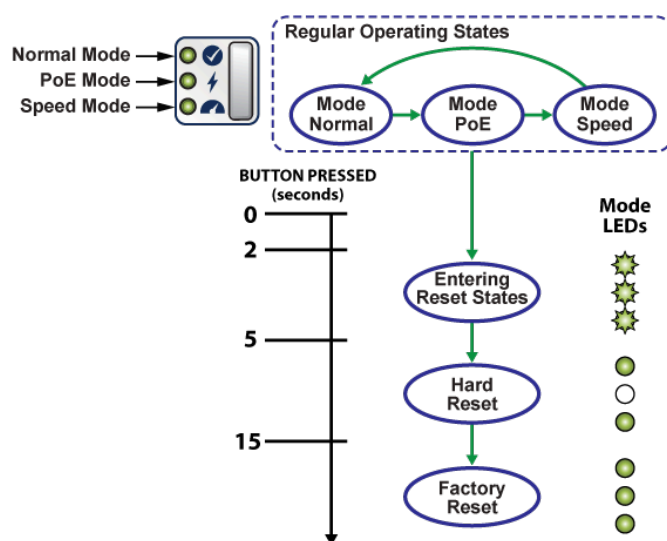
- 1 Functional Grounding Point
- 2 Kensington lock hole

- 3 Power Supply

## Operating Mode Button

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

**Figure 10-1: 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 10-1: Mode Button States](#).

- **Entering Reset States:**

If you select and hold the button for about 2 seconds, all three 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 select 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 select 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 a factory reset on the system configuration.

## Regulatory Model Numbers

---

This section lists the Regulatory Model Numbers (RMNs) of the Ethernet switches described in this guide.

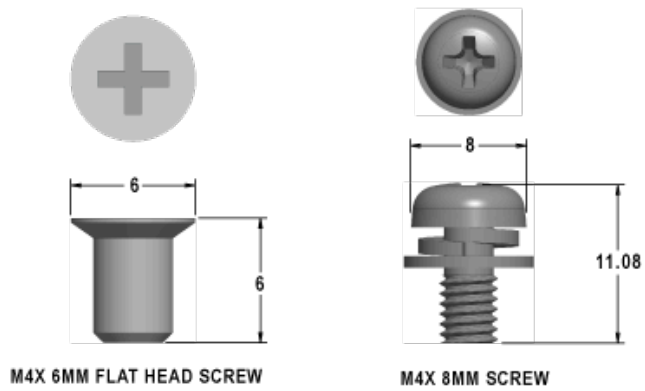
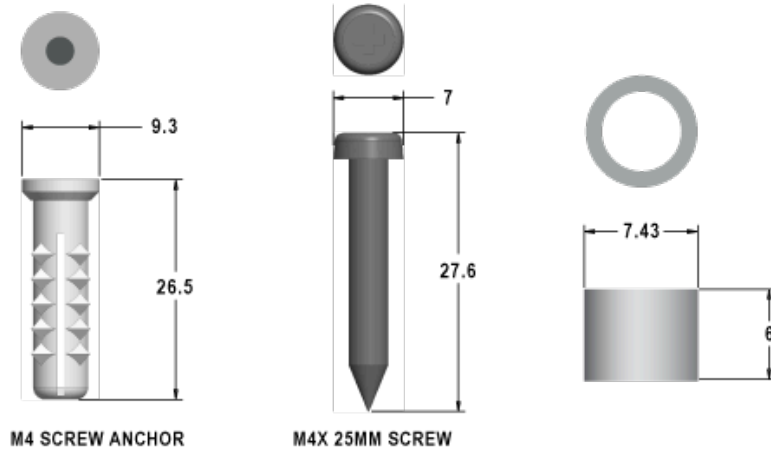
**Table 7: Regulatory Model Numbers**

SKU	Regulatory Model Number (RMN)
CCS-710P-12	AN1758
CCS-710P-16P	AN1786

## Screw Size

---

This section describes the detailed screw size information required.



## BSMI Class A EMC Statement

---

This section provides the Taiwan BSMI Class A Statement information for the switches this guide covers.

**Figure C-1: Taiwan BSMI Class A EMC Statement**

**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。

## RoHS Information

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

Figure D-1: China 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 <sup>6+</sup> )	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	○	○	○	○	○	○	
<p>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.</p> <p>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.</p> <p>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.</p>							

Figure D-2: Taiwan BSMI 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)	○	○	○	○	○	○
印刷电路板组件和组件 (PCBA)	○	○	○	○	○	○
电容 (Capacitance)	○	○	○	○	○	○
螺丝组件 (Screw Assembly)	○	○	○	○	○	○
电源供应器 (Adaptor)	○	○	○	○	○	○
配件组 (Accessories)	○	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。  
This table is prepared in accordance with SJ/T 11364.  
○: 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。  
○: 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.