

Overview

1.1 Scope

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

DCS-7020TR-48 DCS-7020TRA-48 DCS-7020SR-24C2 DCS-7020SRG-24C2

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. 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. [Appendix B](#) provides a list of components included with the switch.

1.3 Installation Process

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

- Step 1** Select and prepare the installation site ([Section 2.1](#)).
- Step 2** Assemble the installation tools listed in [Section 2.2](#).
- Step 3** Attach the mounting brackets and install the switch in an equipment rack ([Chapter 3](#)).
- Step 4** Connect the switch to the power source and network devices ([Chapter 4](#)).
- Step 5** Configure the switch ([Chapter 5](#)).

Important! Class 1 Laser Product: This product has provisions to install Class 1 laser transceivers which provide optical coupling to the communication network. Once a Class 1 laser product is installed, the equipment is a Class 1 Laser Product (Appareil à Laser de Classe 1). The customer is responsible for selecting and installing the Class 1 laser transceiver and for insuring 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 accompanied the transceiver prior to 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 émetteurs-récepteurs 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 6-825, 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. Ultimate disposal of this product should be in accordance with all applicable laws and regulations.

Important! Ultimate disposal of this product should be handled in accordance with all national laws and regulations.

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

1.4 Safety Information

Refer to the Arista Networks document Safety Information and Translated Safety Warnings available at:

www.arista.com/support/docs/eos

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 output of “show tech-support”.
- **Web:** www.arista.com/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.

Important! 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

Table 1-1 Switch Specifications (Dimensions and Weights)

Switch	Size (W x H x D)	Weight
DCS-7020TR-48	48.3 x 4.4 x 40.6 cm (19 x 1.75 x 16 inches)	7.7 kg (17.0 lbs.)
DCS-7020TRA-48	48.3 x 4.4 x 40.6 cm (19 x 1.75 x 16 inches)	7.7 kg (17.0 lbs.)
DCS-7020SR-24C2	48.3 x 4.4 x 40.6 cm (19 x 1.75 x 16 inches)	7.5 kg (16.5 lbs.)
DCS-7020SRG-24C2	48.3 x 4.4 x 40.6 cm (19 x 1.75 x 16 inches)	7.5 kg (16.5 lbs.)

Table 1-2 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 1-3 Switch Specifications (Power Input)

Power Source	PSU Models	Ratings
Power Input (AC Power)	PWR-500AC	100 - 240 VAC, 6.5 to 3.0 A, 50/60 Hz
Power Input (DC Power)	PWR-500-DC	-48 to -60 VDC, 15 A

Note

All PSU models are not supported by all switches. Some switches described in this guide could use power supplies that may no longer be available. Contact your local Arista representative for more information.

Table 1-4 Switch Specifications (Power Draw)

Switch	Power Draw (Typical / Maximum)	Supported Power Supply
DCS-7020TR-48	105 W / 115 W	PWR-500AC, PWR-500-DC
DCS-7020TRA-48	115 W / 125 W	PWR-500AC, PWR-500-DC
DCS-7020SR-24C2	95 W / 105 W	PWR-500AC, PWR-500-DC
DCS-7020SRG-24C2	95 W / 105 W	PWR-500AC, PWR-500-DC

Note

RJ-45 to DB-9 connections: Models with management ports on the rear panel short RJ-45 pin 1 (RTS) to RJ-45 pin 8 (CTS). RJ-45 pins 2 (DTR) and RJ-45 pin 7 (DSR) are not electrically connected to anything.

