

SN4700 and SN4410 Ethernet Switch Systems Quick Installation Guide

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Models: SN4700 and SN4410



The photos and illustrations in this document show the SN4700 system, but the instructions apply to the SN4410 system as well.

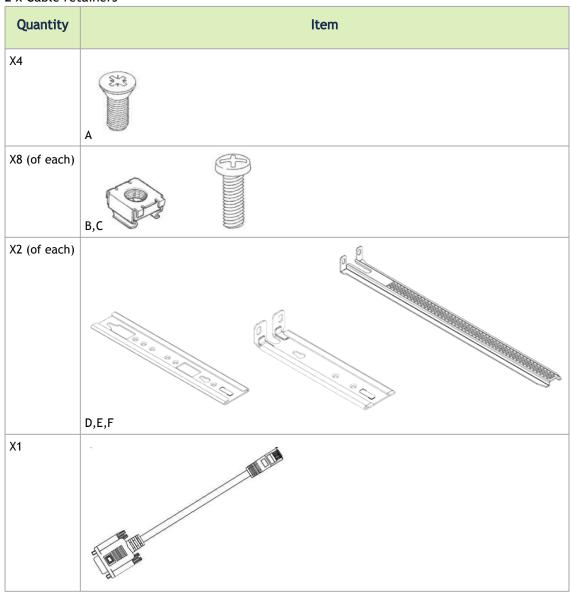
Pay Attention!

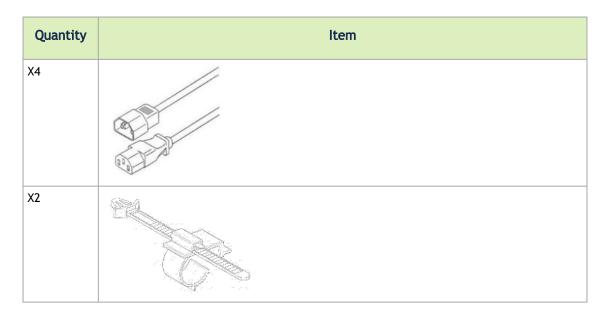
- At least two people are required to safely mount the system in the rack.
- All servers and systems in the rack should be planned with the airflow direction. All FRU components must have the same air flow direction. A mismatch in the air flow will affect the heat dissipation.
- The part of the system to which you choose to attach the rails will determine the system's adjustable side. The system's part to which the brackets are attached will be adjacent to the cabinet.
- The FRU side is extractable. Mounting the rack brackets inverted to the FRU side will allow you to slide the FRUs, in and out.
- Due to thermal considerations, the switch systems must be installed in a horizontal position. do not install the systems vertically.



Package Contents (System and Rail-Kit)

- 1 x System
- 1 x Fixed rail kit for 16.9-31.5" (430-800mm) racks
- 4 x Power cables*:
- 2 x 250V 10A 1830MM C14 TO C15 power cable
- 2 x 110V 15A 1830MM C14 TO C15 UL power cable
- 1 x Harness: HAR000631 Harness RS232 2M cable DB9 to RJ-45
- 2 x Cable retainers

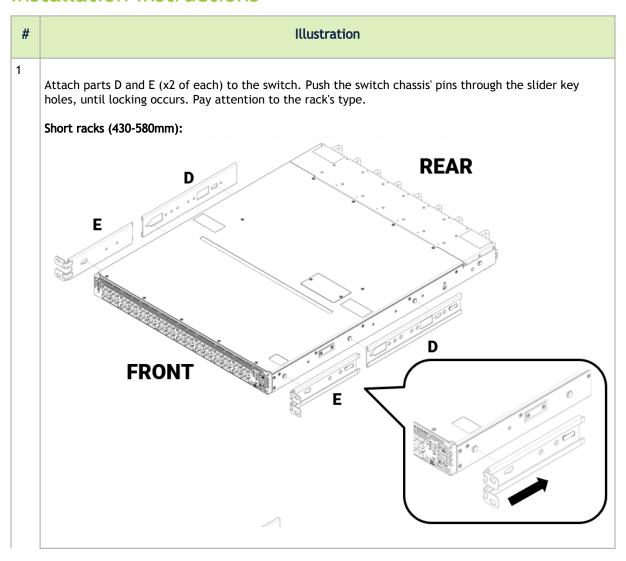


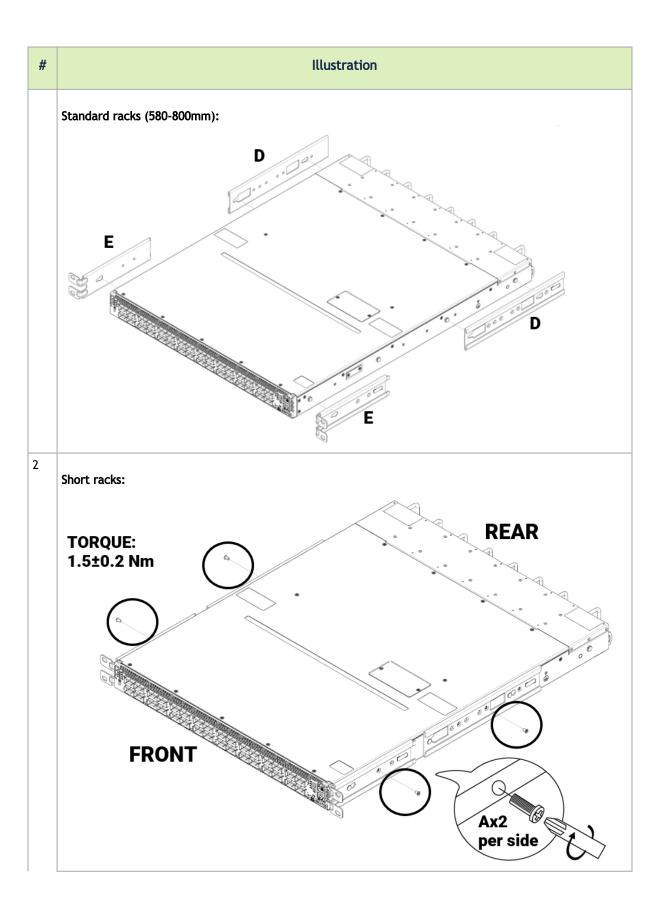


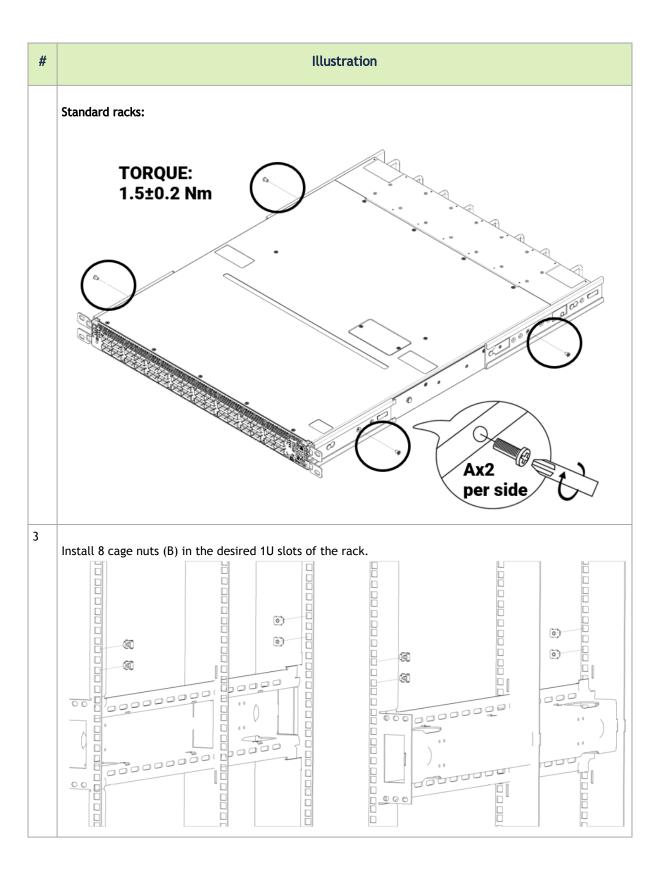
If anything is damaged or missing, contact your NVIDIA representative at $\underline{\text{Networkingsupport@nvidia.com}}.$

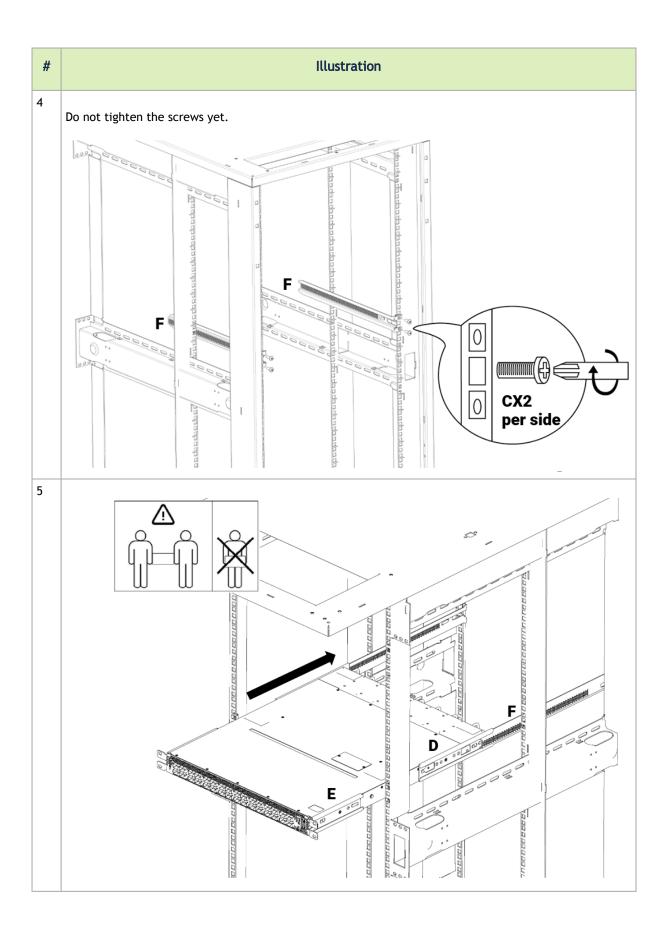
Installation and Configuration

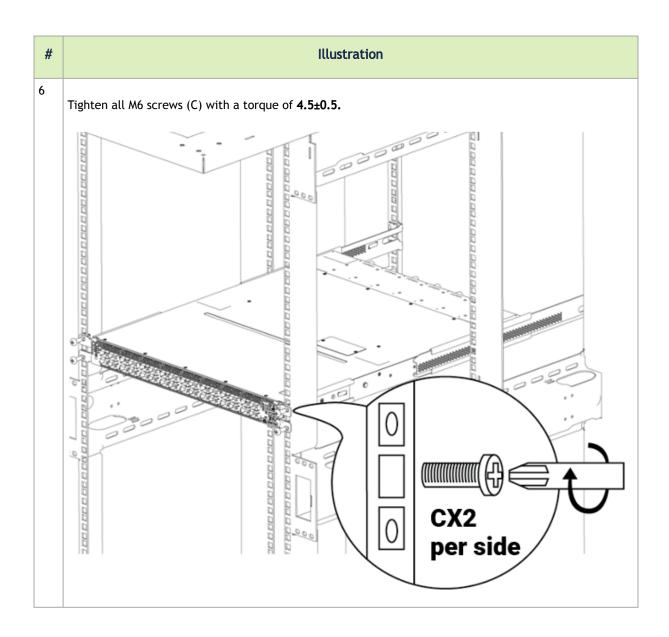
Installation Instructions





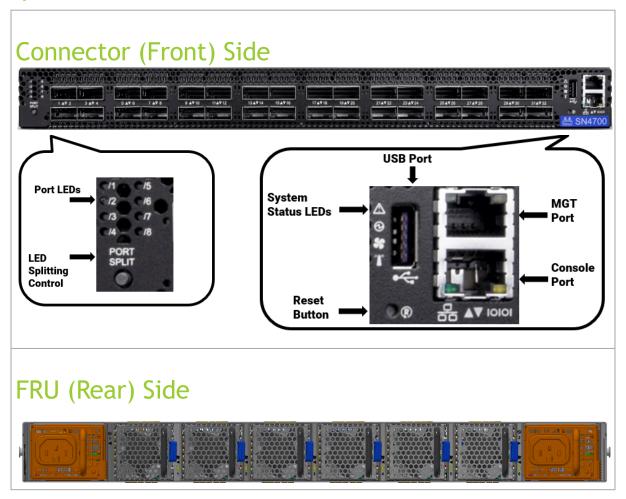






7 Optional - Using a cable retainer: Insert the retainer anchor into the designated slot above the power cord inlet. To secure the power cord inside the retainer, press the small tab on the retainer strip to loosen the loop.

System Interfaces



^{*} It may take up to five minutes to turn on the system. If the System Status LED shows amber after five minutes, unplug the system and contact your NVIDIA representative.

LED Assignments

Symbol	Description	Normal Status
\triangle	Fans health	Green
55	Power supply health	Green

^{**} Certain systems have a single management port.

Symbol	Description	Normal Status
0	Power supply health	Green
!	Bad port detected	Off
=0=	Identifier LED	Off/Blue
R	Reset button	

Configuration

- 1. Connect the host PC to the Console (RJ-45) port.
- 2. Configure a serial terminal program.

Parameter	Settings
Baud rate	115200
Data bits	8
Stop bits	1
Parity	None
Flow control	None

3. Login:

os	Username	Password
Onyx (MLNX-OS)	admin	admin
ONIE ^a	-	-
Cumulus Linux	cumulus	CumulusLinux! (case sensitive)

- a. No login is required. Press Enter to activate the console.
- 4. Initial configuration

- a. Onyx (MLNX-OS): Go through the configuration wizard. For further information, please refer to: https://docs.nvidia.com/networking/category/mlnxos.
- b. ONIE: Please refer to the ONIE User Manual https://docs.nvidia.com/networking/category/oniesw.
- c. Cumulus: By default, the MGMT port will acquire the IP from DHCP. You can cross reference the MAC of the switch with your DHCP server (MAC can be found on switch label) or using "ifconfig eth0" (when using MGMT0). For further information, refer to: https://docs.cumulusnetworks.com/display/DOCS/Quick+Start+Guide

For full installation instructions, go to https://docs.nvidia.com/networking/category/switchen.

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