SN3420 Ethernet Switch Systems Quick Installation Guide
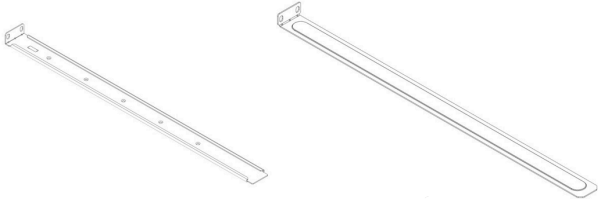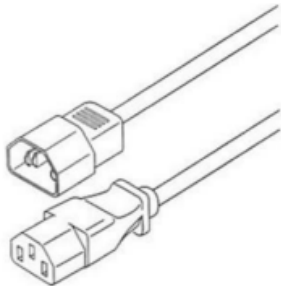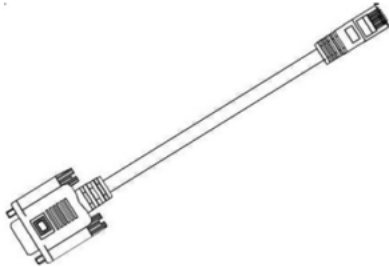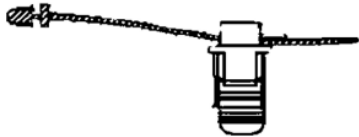
Table of contents

Pay Attention!

- 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.

Package Contents

- 1 x System

- Rail kit for short depth racks (19.7"-23.6" / 500-600mm) or for standard depth racks (23.6"-31.5" / 600-800mm)

- 1 x Harness RS232 2M cable – DB9 to RJ-451

- 2 x Power cables – Type C13-C14
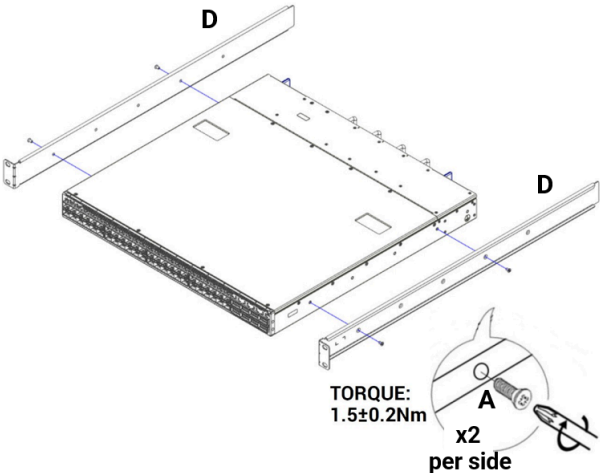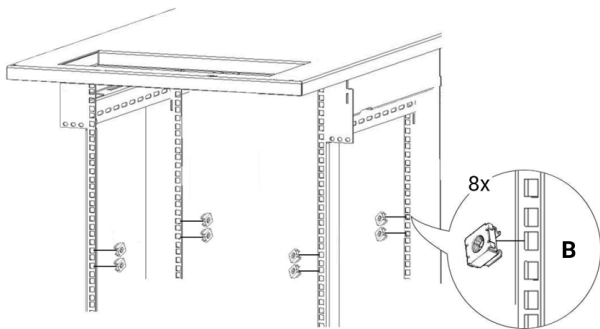
- 2 x Cable retainers

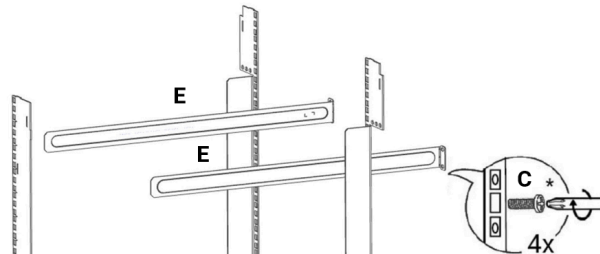| Quantity	Item
X4	A
X8 (of each)	B, C
X2 (of each)	**D, E**

Quantity	Item
X2	
X1	
X2	

If anything is damaged or missing, contact your NVIDIA representative at Networking-support@nvidia.com.

Installation and Configuration

Installation Instructions

#	Illustration
1	
2	
3	Do not tighten the screws yet.

#	Illustration
4	
5	

System Interfaces

Connector (Front) Side
FRU (Rear) Side

* 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
	System health	Green/Flashing

Symbol	Description	Normal Status
	Fan health	Green
	Power supply health	Green
	Bad port detected	Off
	Identifier LED	Off/Blue
	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]	-	-

OS	Username	Password
Cumulus Linux	cumulus	CumulusLinux! (case sensitive)

a. No login is required. Press Enter to activate the console.

4. Initial configuration

1.

1. Onyx (MLNX-OS): Go through the configuration wizard. For further information, please refer to:
https://docs.nvidia.com/networking/category/mlnxos.

2. ONIE: Please refer to the ONIE User Manual -
https://docs.nvidia.com/networking/category/oniesw.

3. 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.