



SSE-T8164 ETHERNET SWITCH



USER'S MANUAL

Revision 1.0

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Manual Revision 1.0

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Preface

About this Manual

This manual is written for professional integrators and PC technicians. It provides information for the installation and use of this module. Installation and maintenance should be performed by certified service technicians only.

Notes

- Supermicro product manuals: <http://www.supermicro.com/support/manuals/>
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This manual may be periodically updated without notice. Please check the Supermicro website for possible updates to the manual revision level.

Warnings

Special attention should be given to the following symbols used in this manual.



Warning! Indicates important information given to prevent equipment/property damage or personal injury.



Warning! Indicates high voltage may be encountered when performing a procedure.

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Chapter 1

Introduction

1.1 Introduction

This document is designed to provide Supermicro switch users with the information required to configure the basic functionalities on the switch through CLI commands.

Note: Most of the content in this manual applies to the SSE-T8164 of switch.

1.2 Overview

The SSE-T8164 switch is a 800 Gbe Spine/Leaf/ToR switch with 64 OSFP ports, two 25 Gbe SFP28 ports, one RJ45 serial console, one 1 Gbe management port, and one USB 2.0 Type A storage port in a fixed configuration. The SSE-T8164 enables the aggregation of high density 2 RU rack servers, providing cost-effective network infrastructure solutions in large-scale enterprises, service providers, and cloud computing. The SSE-T8164 switch is extremely compact 2 RU form factors that increase the network radix for high density switching.

1.3 Features

The SSE-T8164 800 Gbe Ethernet switch offers the following features:

- 64 OSFP ports
- Two 25 Gbe SFP28 ports
- One RJ45 serial console
- One 1 Gbe management port
- One USB 2.0 Type A interface
- AC or DC redundant power supply, see [Appendix A](#) for details.
- Outward or inward airflow fan module, see [Appendix A](#) for details.

1.4 Physical Characteristics

The SSE-T8164 800 Gbe Ethernet Switch has the following physical characteristics:

- 2U form factor
- Dimensions: 438.4 x 650 x 87.4 mm (17.3 x 25.6 x 3.4 inches) (W x D x H)
- Weight: 26 Kg (57.3 lb)

Chapter 2

Installation

2.1 Overview

Some Supermicro switches can be equipped with an optional rail kit to make it easy to install them in a rack. This manual provides instructions for installing the mounting rails onto a rack and for installing the switch into the mounting rails. Following these steps in the order given should enable you to have the switch operational within a minimum amount of time.

2.2 Unpacking the Switch

You should inspect the box the switch was shipped in and note if it was damaged in any way. If the switch itself shows damage you should file a damage claim with the carrier who delivered it.

Decide on a suitable location for the rack unit that will hold your switch. It should be situated in a clean, dust-free area that is well ventilated. Avoid areas where heat, electrical noise and electromagnetic fields are generated. You will also need it placed near a grounded power outlet. Be sure to read the Rack, General and Lithium Battery Precautions in the next section.

2.3 Preparing for Setup

The rail kit includes two sets of rail assemblies, two rail mounting brackets and the mounting screws needed to install the switch into the rack. Read this section in its entirety before you begin the installation procedure outlined in the sections that follow.

Choosing a Setup Location

- Leave enough clearance in front of the rack to enable you to open the front door completely (approximately 25 inches).
- Leave approximately 30 inches of clearance in the back of the rack to allow for sufficient airflow and ease in servicing.
- This product is for installation only in a Restricted Access Location (dedicated equipment rooms, service closets and similar environments).

2.4 Warnings and Precautions!

Rack Precautions

- Ensure that the leveling jacks on the bottom of the rack are fully extended to the floor with the full weight of the rack resting on them.
- In a single rack installation, stabilizers should be attached to the rack.
- In multiple rack installations, the racks should be coupled together.
- Always make sure the rack is stable before extending a component from the rack.
- You should extend only one component at a time - extending two or more simultaneously may cause the rack to become unstable.

General Precautions

- Review the electrical and general safety precautions that came with the components you are adding to your switch (if any).
- Determine the placement of each component in the rack before you install the rails.
- Install the heaviest server components on the bottom of the rack first, and then work up.
- Use a regulating uninterruptible power supply (UPS) to protect the servers and switches from power surges, voltage spikes and to keep your switch operating in case of a power failure.
- Always keep the rack's front door and all panels and components closed when not servicing to maintain proper cooling.
- Do not remove the cover of the switch, there are no user-serviceable components inside. Take unit to service center for repairs and servicing.
- Disconnect all power cords before servicing.

Important: Slide/rail mounted equipment is not to be used as a shelf or work space.

Lithium Battery Precaution

- This switch may contain a lithium battery. There is a danger of explosion if the battery is incorrectly replaced.
- Installing the battery upside-down may reverse the polarities and cause the battery to explode.
- Replace the battery only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the manufacturer's instructions.
- Do not damage the battery in any way, a damaged battery may release hazardous materials into the environment.
- Do not discard a used battery in the garbage or a public landfill.
- Please comply with the regulations set up by your local hazardous waste management agency to dispose of your used battery properly.

Rack Mounting Considerations



Warning! Stability hazard. The rack may tip over causing serious personal injury. Before extending the rack to the installation position, read the installation instructions. Do not put any load on the slide-rail mounted equipment in the installation position. Do not leave the slide-rail mounted equipment in the installation position.



Avertissement!

Danger d'instabilité. Le rack peut basculer et provoquer des blessures corporelles graves.

Avant d'étendre le rack en position d'installation, lire les instructions d'installation.

Ne pas charger l'équipement monté sur rail de glissière en position d'installation.

Ne pas laisser l'équipement monté sur rail de glissière en position d'installation.

Important: To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the system remains stable. The following guidelines are provided to ensure your safety:

- If this unit is the only unit in the rack, it should be mounted at the bottom of the rack.
- When mounting this unit in a partially filled rack, load the rack from the bottom to the top, placing the heaviest component at the bottom of the rack.
- If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.
- Slide rail mounted equipment is not to be used as a shelf or a workspace.

Ambient Operating Temperature

If installed in a closed or multi-unit rack assembly, the ambient operating temperature of the rack environment may be greater than the ambient temperature of the room. Therefore, consideration should be given to installing the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature (T_{mra}).

Airflow

Equipment should be mounted into a rack so that a hazardous condition does not arise due to uneven mechanical loading.

Mechanical Loading

Equipment should be mounted into a rack so that a hazardous condition does not arise due to uneven mechanical loading.

Circuit Overloading

Consideration should be given to the connection of the equipment to the power supply circuitry and the effect that any possible overloading of circuits might have on overcurrent protection and power supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Reliable Ground

A reliable ground (earth) must be maintained at all times. To ensure this, the rack itself should be grounded. Particular attention should be given to power supply connections other than the direct connections to the branch circuit (i.e. the use of power strips, etc.).

2.5 Rack Mounting Instructions

This section provides information on installing the switch into a rack unit with the rail kit. There are a variety of rack units on the market, which may mean the assembly procedure will differ slightly. You should also refer to the installation instructions that came with the rack unit you are using.

Notes:

- Your switch may differ from the illustrations in this manual.

Nominal Length	Min Post to Post	Max Post to Post	Travel Length
711.2 mm	675 mm	925 mm	618.55 mm

Identifying the Sections of the Rack Rails

The rail kit package includes two rack rail assemblies in the rack mounting kit. Each assembly consists of three sections: An inner rail that secures directly to the switch, an outer rail that secures to the rack, and a middle rail which extends from the outer rail. These assemblies are specifically designed for the left and right side of the switch and labeled. See Figure 2-2 below for details.

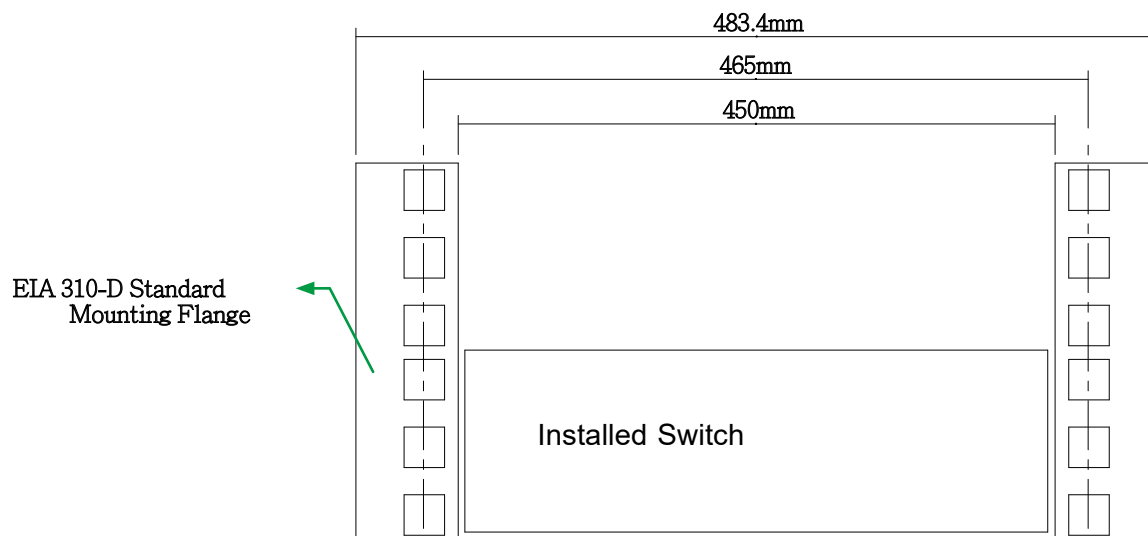


Figure 2-1. The Rail Kit Package

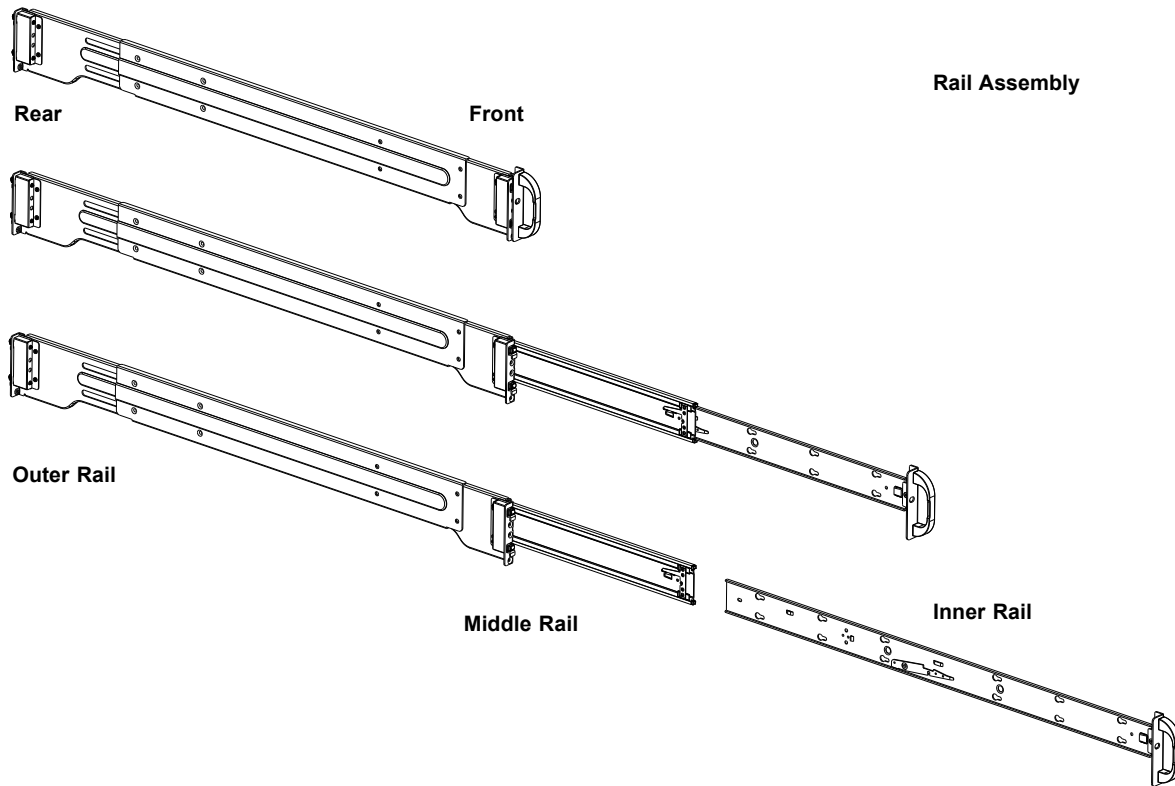


Figure 2-2. Identifying the Outer Rail, Middle Rail, and Inner Rail

Separating the Sections of the Rails

The rail kit ships with the front inner rail attached to the front outer rail. These must be separated prior to installation in the rack. Use the procedure below to separate the rails.

Releasing the Inner Rail

Each inner rail has a locking latch. This latch prevents the switch from coming completely out of the rack when the switch is pulled out for servicing.

To mount the rail onto the switch, first release the inner rail from the switch.

1. Pull the inner rail out of the outer rail until it is fully extended as illustrated below.
2. Press the locking tab down to release the inner rail.
3. Pull the inner rail all the way out.

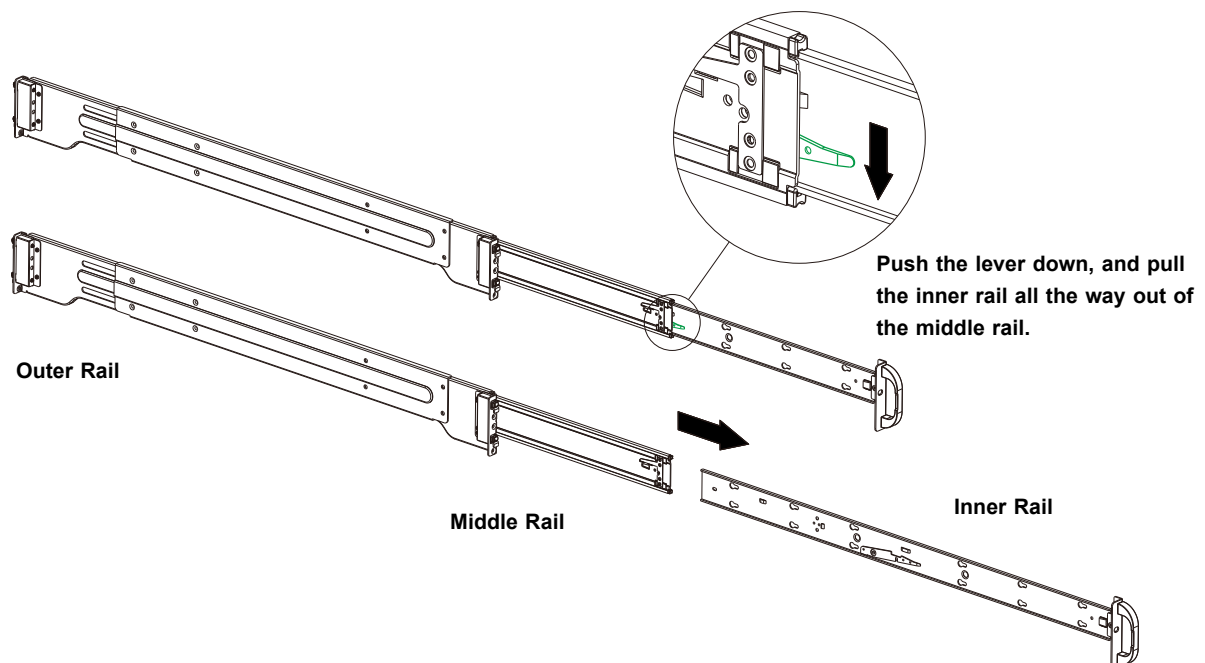


Figure 2-3. Extending and Releasing the Inner Rail

Removing/Installing the Inner Rails

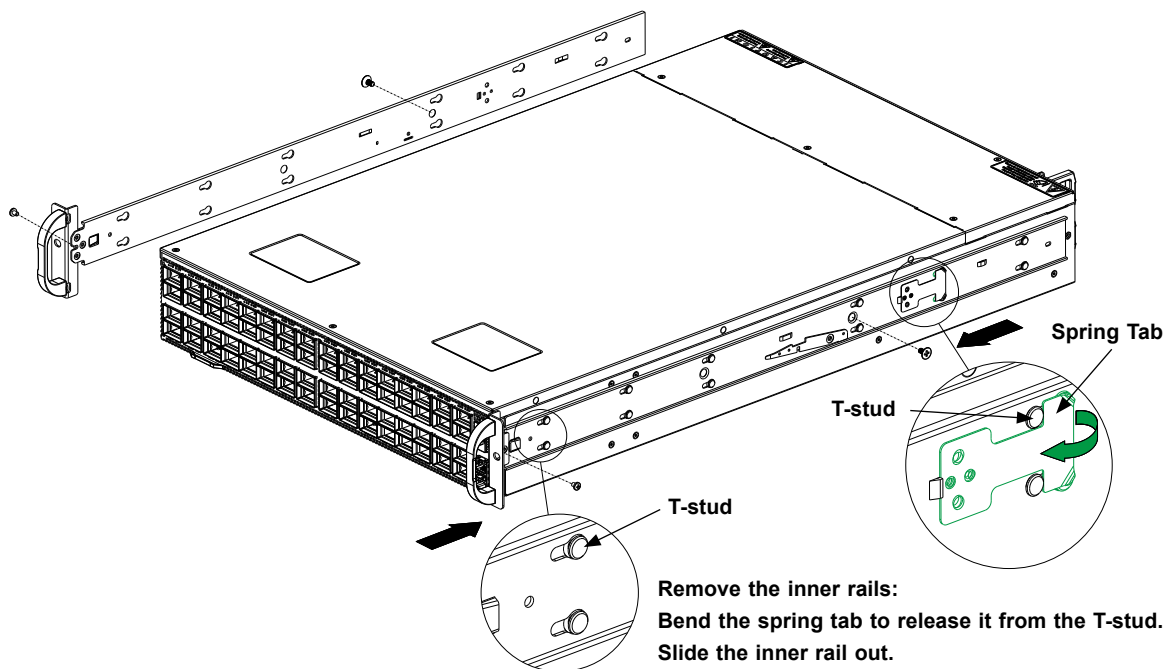
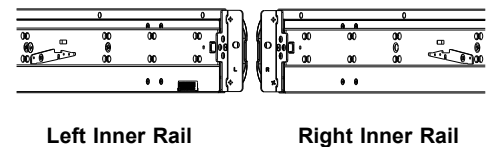
Use the procedure below and Figure 2-4 to remove/install the inner rails.

Installing the Inner Rails on the Switch

1. Identify the left and right inner rails. They are labeled.
2. Place the inner rail firmly against the side of the switch, aligning the holes on the inner rail with the T-studs on the front side of the switch.
3. Slide the inner rail towards the rear of the switch until the T-stud click into the locked position, securing the rails to the switch.
4. Further secure the inner rail to the switch with the two screws.

Removing the Inner Rails on the Switch

1. Unscrew the two screws.
2. Bend the spring tab to release it from the T-stud.
3. Slide the inner rail forward and out of the switch.



Install the inner rails:

Align the key holes on the inner rail with the T-studs on the switch.

Slide the inner rail towards the rear of the switch.

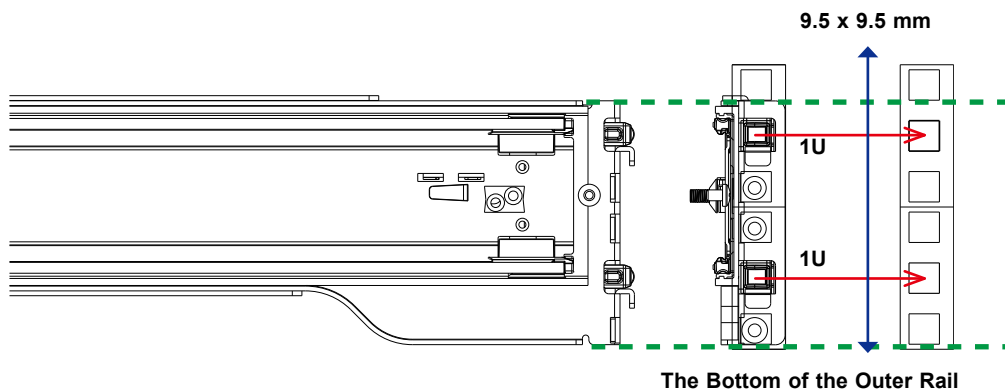
Figure 2-4. Installing the Inner Rail

Installing the Outer Rails onto the Rack

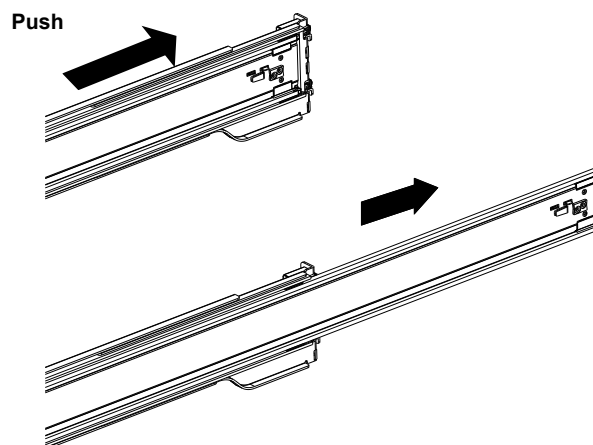
Follow the steps below to assemble and install the outer rails on the rack.

Installing the Outer Rails on the Rack

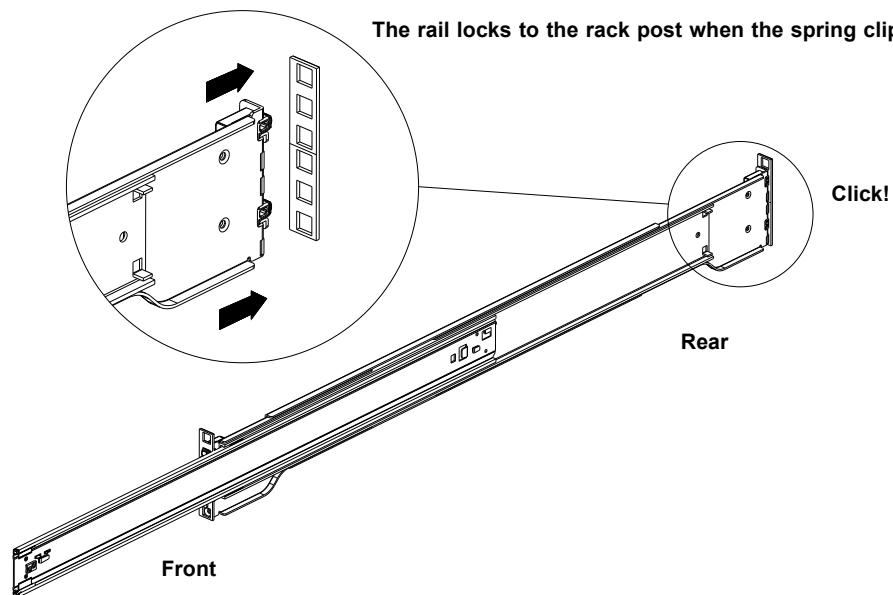
1. Align the outer rail with the standard square on the guide pin. The guide pin on the brackets is for EIA standard square holes (9.5 mm x 9.5 mm). Each 1U space spans three square holes. The black push tab should go through the middle hole of the 1U space at both the front and back of the rack. The bottom of the outer rail should align with the bottom edge of the 1U space. This ensures the switch remains within the 2U space on a rack.



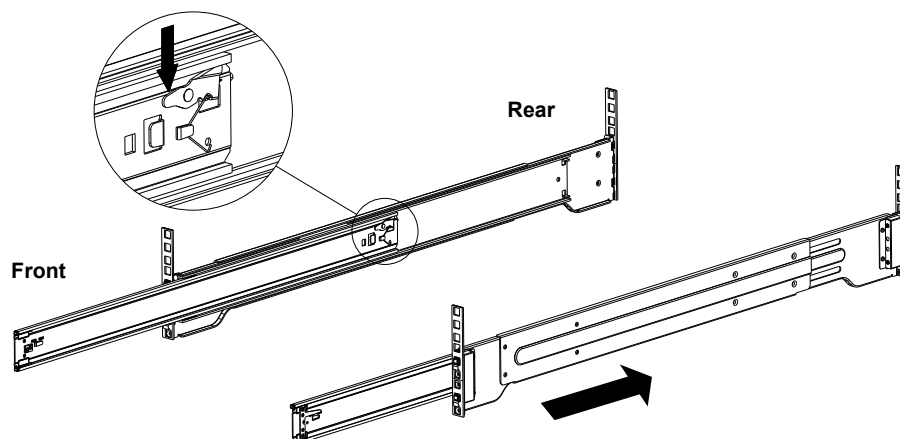
2. Push the rear bracket backward to the locked position. Lift the latch upward and push the middle rail toward the rear of the outer rail.



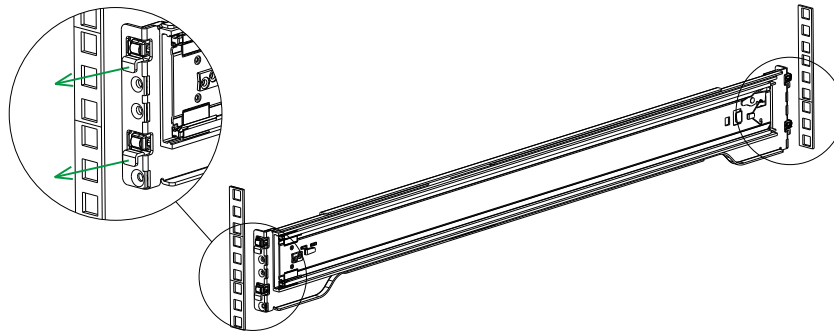
3. Push the pegs on the rear of the outer rail into the rear rack holes. The rail lock to the rack post when the spring clip clicks.



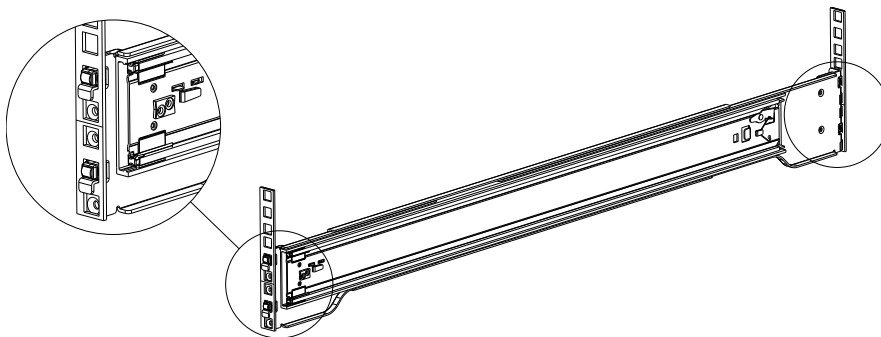
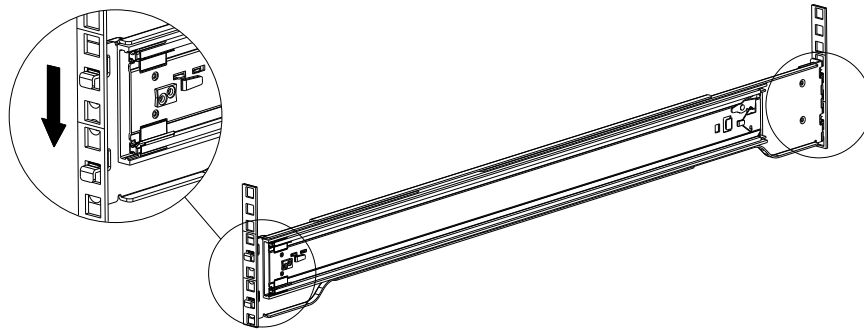
4. Pull the lever forward to release the latch, and push the middle rail to the rear of the rail.



5. Turn the latch to the open position and push the pegs into the front rack holes.



6. Pull the lever forward to release the latch, and push the middle rail to the rear of the rail.



Installing the Switch into a Rack

Use the procedure and Figure 2-5 below to install the switch into a rack.

Important: Mounting the switch into the rack requires at least two people to support the switch during installation. Please follow safety recommendations printed on the rails.

Installing the Switch into a Rack

1. Extend the middle rail as illustrated.
2. Align the ends of the inner rails on the switch with the front of the fully extended middle rails on the rack.
3. Slide the inner rails into the middle rails, keeping the pressure even on both sides you may have to depress the locking tabs when inserting. When the switch has been pushed completely into the rack, you should hear the locking tabs click into the locked position.

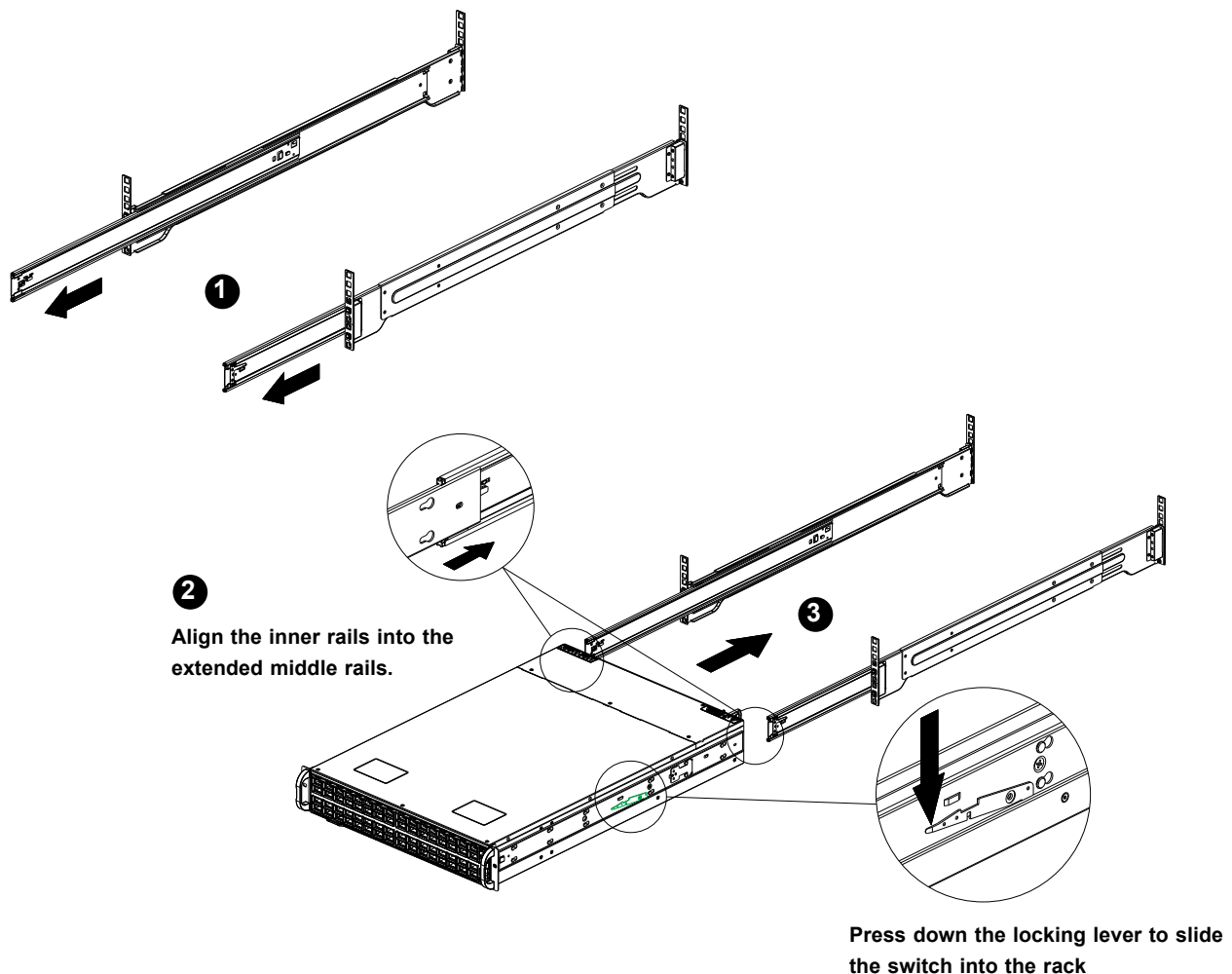


Figure 2-5. Installing the Switch into a Rack

Note 1: Keep the ball bearing shuttle locked at the front of the middle rail during installation.

Note 2: Figure is for illustrative purposes only.

2.6 Switch Cooling

The SSE-T8164 switch includes four hot-swappable fan modules for cooling. They can be replaced without powering down the switch. However, failed fans should be replaced quickly to maintain proper airflow. Refer to [Appendix A](#) for details.

Replacing a Switch Fan

1. Determine which fan has failed using BMC if possible.
2. Locate the failed fan and pull it out by gripping the left latch with your thumb and the right latch with your index finger.
3. To install a fan, use the same grip as in the previous step to push it back into place until it clicks.
4. Confirm that the fan is working properly.

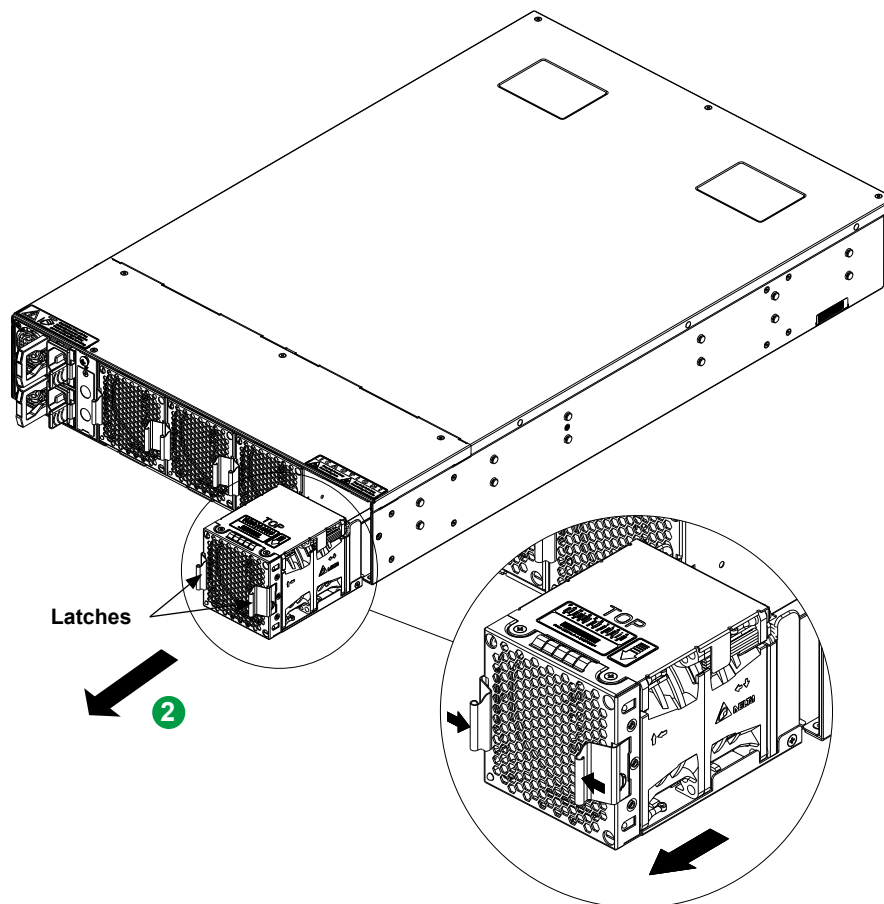


Figure 2-6. Replacing a Fan

2.7 Power Supply

The SSE-T8164 switch has two hot-swappable power supplies. It supports redundancy and load balance. The power modules can be changed without powering down the switch. Refer to [Appendix A](#) for details.

Changing a Power Supply Module

1. Push the latch on the back of the power supply as illustrated.
2. Gently slide the power supply out using the handle provided.
3. Replace the failed power module with another of the same model.
4. Slide the new power supply module into the power supply bay until it clicks.

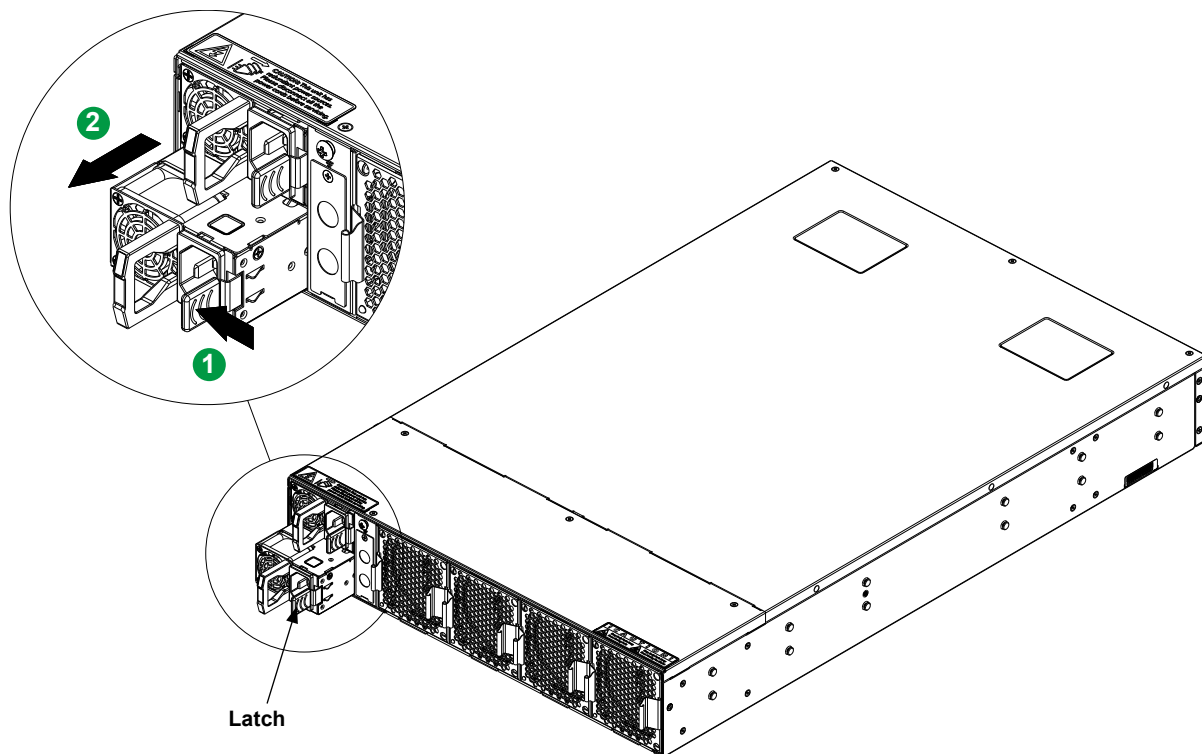


Figure 2-7. Replacing a Power Supply Module

Chapter 3

Installation and Setup

This chapter covers the setup of SSE-T8164 Ethernet switches.

3.1 Installation

To install SSE-T8164 Ethernet switch, follow the procedure below.

Installing the Switch

1. Carefully unpack the switch from its shipping container and verify that all parts are present.
2. Install the rail kit onto the side of the switch using a screwdriver. Refer to [Section 2.5](#) in this manual.
3. Mount the switch into your rack assembly.

3.2 Configuring the Switch Module

The SSE-T8164 Ethernet switch can be configured directly through a command line interface (CLI) using the SSH interface or a serial console.

The management utility accesses the switch directly use the command line interface.

Any port may be configured as up (active) or down (inactive). All ports are active by default.

Accessing CLI through a Serial Console

To access the CLI via a serial console, follow the steps below.

1. Connect a PC serial port to the switch console port.
2. In the PC, open any serial port access applications, such as Hyperterminal or TeraTerm.
3. Choose the serial port connected with the switch and configure with the following parameters:
 - Baudrate = 115200
 - Data bits = 8
 - Parity = None
 - Stop bit = 1
4. This brings up the switch's CLI for user login.
5. Enter the default username (admin) and password (YourPaSsWoRd), then change your new password to login to the switch.

Accessing CLI through an SSH

To access the CLI via an SSH, follow the steps below.

1. Connect a PC to a network that is accessible to the switch. For example, connect a PC to any of the front panel ports of the switch and make sure the PC has an IP address on the same subnet as the switch management IP.
2. In the PC, start an SSH client session with the switch management IP (please check the default management IP through the console to get it from DHCP). This brings up the switch's CLI for user login.

Firmware

The firmware for SSE-T8164 Ethernet switch resides on a chip on the PCB.

Firmware Upgrade Procedures

For Firmware upgrades, you must follow the ONIE specification link below. For more details, go to <https://opencomputeproject.github.io/onie/testing/index.html>.

Chapter 4

Ports and Indicators

This chapter covers the ports and LED indicators found on the SSE-T8164 switch.

4.1 Front View

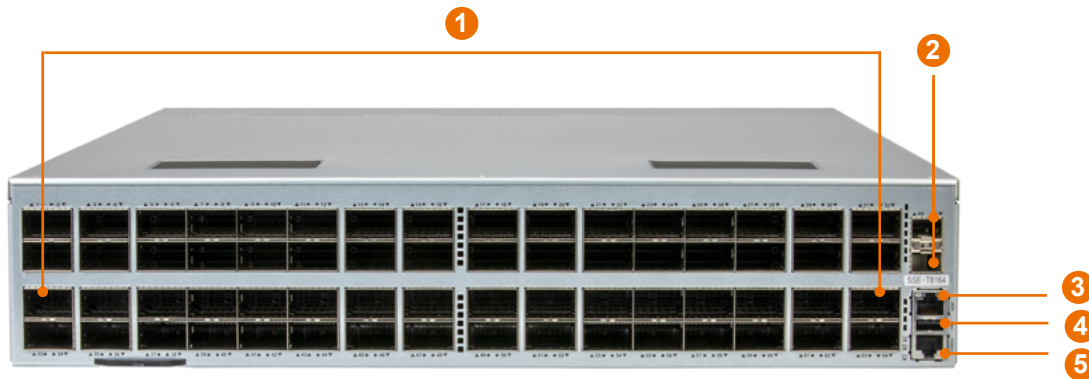


Figure 4-1. Front View

Front Features	
Item	Description
1	64 OSFP 800 Gbe ports
2	Two 25 Gbe SFP28 ports
3	One management LAN port
4	One USB 2.0 Type A interface
5	One RJ45 serial console port

4.2 Rear View

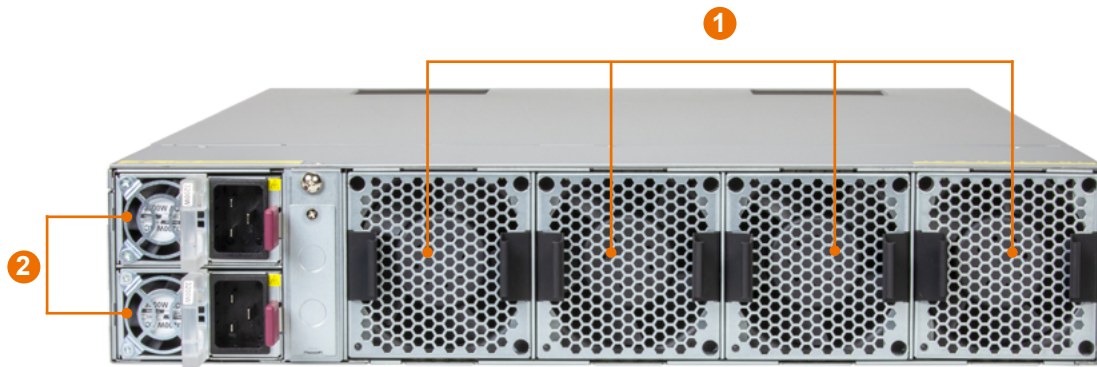


Figure 4-2. Rear View

Rear Features	
Item	Description
1	Four hot-swappable fan modules
2	Two hot-swappable power supplies

4.3 Ports

The SSE-T8164 switches all include the front ports listed below.

OSFP Ports

64 OSFP ports for 800 Gbe, 400 Gbe, 200 Gbe, 100 Gbe, 50 Gbe, and 25 Gbe connections.

Note 1: Supports up to 18 W per port.

Note 2: Non-default port configuration requires additional configuration setup.

SFP28 Ports

Two SFP28 25 Gbe ports for 25 Gbe, 10 Gbe, and 1 Gbe connections.

Serial Ports

One RJ45 serial port is available for communication to an external control console.

Management Port

This port is for managing switches.

USB Port

One USB 2.0 Type A storage port.

4.4 Indicators

This section covers LED indicators for the SSE-T8164 Ethernet switch.

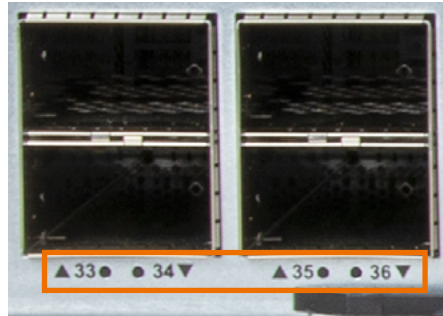
These LEDs are listed in the tables below.

PSU/Fan/System Status LEDs

LED Name	Description
PSU LED	Off: Both PSU1 and PSU2 power down Solid Green: Power operating normally Solid Yellow: One of the power supplies does not exist or is not ready.
FAN LED	Off: No power Solid Green: FAN operating normally Solid Yellow: FAN error
System LED	Off: No power Blinking Green: System booting Solid Green: System operating normally Yellow: System error

OSFP Port LEDs

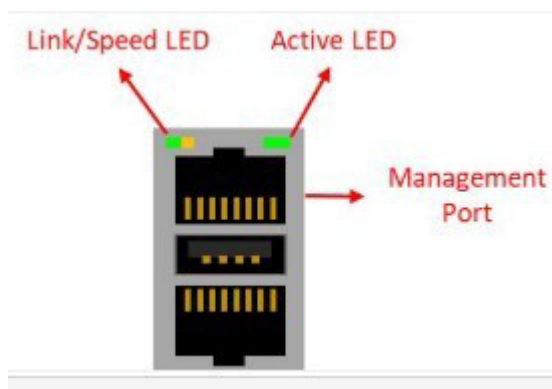
LED Locations



LED Name	Description
OSFP Port LEDs	Solid Green: The port has a valid link. Fast Blinking Green: There is activity on the port. Off: The port is disabled.

Management Port LEDs

LED Locations



Port Name	LED Name	Description
Management Port LEDs	Active LED	Solid Green: Link up. Blinking Green: Activity on the port. Off: Link down.
	Link/Speed LED	Solid Yellow: Link up, speed = 1 Gbps. Solid Green: Link up, speed = 100 Mbps. Off: Link down.

SFP+/SFP28 Port LEDs

Port Name	Description
SFP28 Port LEDs	Off: Link down. Solid Green: Link up. Fast Blinking Green: There is activity on the port.

4.5 OSFP/DAC/AEC/Transceiver Module

Cable Type: DAC

Part Number	Length	Description
CBL-NTWK-1107-20M-G	2 m	800 Gbe OSFP to 800 Gbe OSFP (Closed TOP) 30 AWG
CBL-NTWK-1107-20M-E	2 m	800 Gbe OSFP to 800 Gbe OSFP (Closed TOP) 30 AWG
CBL-NTWK-0976-20M-G	2 m	800 Gbe OSFP to two 400 Gbe QSFP112 30 AWG
CBL-NTWK-0976-20M-E	2 m	800 Gbe OSFP to two 400 Gbe QSFP112 30 AWG
CBL-NTWK-1110-20M-G	2 m	800 Gbe OSFP to two 400 Gbe OSFP-RHS 30 AWG
CBL-NTWK-1115-20M-G	2 m	800 Gbe OSFP to four 200 Gbe QSFP112 28 AWG

Cable Type: AEC

Part Number	Length	Description
CBL-NTWK-1226-35M-H	3.5 m	800 Gbe OSFP to 800 Gbe OSFP (Closed TOP) 30 AWG

Cable Type: Transceivers

Part Number	Length	Description
TRX-1105-VR4-R	up to 50 m	QSFP112 400 Gbe VR4 MMF (host side)
TRX-0964-VR4-R	up to 50 m	OSFP RHS 400 Gbe VR4 MMF (host side)
TRX-1107-VR8-R	up to 50 m	OSFP 800 Gbe VR8 (two port VR4) MMF
TRX-1107-DR8-R	up to 500 m	OSFP 800 Gbe (two 400 Gbe) DR8 SMF
TRX-1107-FR8-R	up to 2 KM	OSFP 800 Gbe (two 400 Gbe) FR8 SMF

Cable Type: Optical Patch Cable

Part Number	Length	Description
CBL-NTWK-0973-50M-P	5 m	MPO12/MPO12, OM4, MMF, 50/125, 5 m APC
CBL-NTWK-0973-100M-P	10 m	MPO12/MPO12, OM4, MMF, 50/125, 10 m APC
CBL-NTWK-0973-200M-P	20 m	MPO12/MPO12, OM4, MMF, 50/125, 20 m APC
CBL-NTWK-0973-500M-P	50 m	MPO12/MPO12, OM4, MMF, 50/125, 50 m APC
CBL-NTWK-1217-30M-P	3 m	MPO12/two MPO12, OM4, MMF, 50/125, 3 m APC
CBL-NTWK-1217-50M-P	5 m	MPO12/two MPO12, OM4, MMF, 50/125, 5 m APC
CBL-NTWK-1217-70M-P	7 m	MPO12/two MPO12, OM4, MMF, 50/125, 7 m APC
CBL-NTWK-1217-100M-P	10 m	MPO12/two MPO12, OM4, MMF, 50/125, 10 m APC
CBL-NTWK-0983-150M-P	15 m	MPO12/MPO12, OS2, SMF, 15 m, APC
CBL-NTWRK-0982-150M-P	15 m	LC to LC, SMF, 15 m

Importants

Important 1: Laser Class 1 optical transceivers only shall be used.

Important 2: This end product is for use with field installable LDMs not provided with the product when shipped from the original equipment manufacturer. This end product was evaluated with representative LDMs during the Type Test investigation.

Important 3: The end product with LDMs installed is required to comply with IEC 60950-1 and IEC 60825-1 and -2, including any declared national differences. The decision on certification of the end product without the LDMs rests with the recognizing NCB.

Appendix A

Series Models Description

Mode / Type Reference	SSE-T8164
Series Model / Type Reference	SSE-T8164S, SSE-T8164SR, SSE-T8164D, SSE-T8164S-LCC, SSE-T8164SR-LCC, SSE-T8164D-LCC, SSE-T8164S27
Marketing Model / Type Prefixed Reference	VFG- or Blank or SSE
Marketing Model / Type Suffixes Reference	XXXX-XXXXXXXXXXXX in the model designation may be any string of alphanumeric character or blank irrelevant to safety

Model/ Type Reference	Power Supply Unit (PSU)	Power Description
SSE-T8164S	PWS-3K21A-1R2	200-240 Vac / 16 A Max, 50-60 Hz, (Tolerance $\pm$ 5%) 3200 W
SSE-T8164SR	PSW-3K21F-1R2	200-240 Vac / 16 A Max, 50-60 Hz, (Tolerance $\pm$ 5%) 3200 W
SSE-T8164D	PWS-1K62D-1R	-48 Vdc to -72 Vdc / 37.5 A max, 1600 W
SSE-T8164S-LCC	PWS-3K21A-1R2	200-240 Vac / 16 A Max, 50-60 Hz, (Tolerance $\pm$ 5%) 3200 W
SSE-T8164SR-LCC	PSW-3K21F-1R2	200-240 Vac / 16 A Max, 50-60 Hz, (Tolerance $\pm$ 5%) 3200 W
SSE-T8164D-LCC	PWS-1K62D-1R	-48 Vdc to -72 Vdc / 37.5 A max, 1600 W
SSE-T8164S27	PWS-3K21A-27	200-277 Vac / 15 A Max, 50-60 Hz, (Tolerance $\pm$ 5%) 3200 W

Model/ Type Reference	Power Supply Unit (x2) (Direction of Airflow)	FAN Module (x4) (Direction of Airflow)
SSE-T8164S	PWS-3K21A-1R2 (Air flow direction outward)	FAN-0251L4-4-NFB (Air flow direction outward)
SSE-T8164SR	PSW-3K21F-1R2 (Air flow direction inward)	FAN-0251L4-5-NFB (Air flow direction inward)
SSE-T8164D	PWS-1K62D-1R (Air flow direction outward)	FAN-0251L4-4-NFB (Air flow direction outward)
SSE-T8164S-LCC	PWS-3K21A-1R2 (Air flow direction outward)	FAN-0251L4-4-NFB (Air flow direction outward)
SSE-T8164SR-LCC	PSW-3K21F-1R2 (Air flow direction inward)	FAN-0251L4-5-NFB (Air flow direction inward)
SSE-T8164D-LCC	PWS-1K62D-1R (Air flow direction outward)	FAN-0251L4-4-NFB (Air flow direction outward)
SSE-T8164S27	PWS-3K21A-27 (Air flow direction outward)	FAN-0251L4-4-NFB (Air flow direction outward)

Appendix B

Standardized Warning Statements for AC Systems

About Standardized Warning Statements

The following statements are industry standard warnings, provided to warn the user of situations which have the potential for bodily injury. Should you have questions or experience difficulty, contact Supermicro's Technical Support department for assistance. Only certified technicians should attempt to install or configure components.

Read this appendix in its entirety before installing or configuring components in the Supermicro chassis.

These warnings may also be found on our website at http://www.supermicro.com/about/policies/safety_information.cfm.

Warning Definition



Warning! This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents.

警告の定義

この警告サインは危険を意味します。

人身事故につながる可能性がありますので、いずれの機器でも動作させる前に、電気回路に含まれる危険性に注意して、標準的な事故防止策に精通して下さい。

此警告符号代表危險。

您正处于可能受到严重伤害的工作环境中。在您使用设备开始工作之前，必须充分意识到触电的危险，并熟练掌握防止事故发生的标准工作程序。请根据每项警告结尾的声明号码找到此设备的安全性警告说明的翻译文本。

此警告符號代表危險。

您正處於可能身體可能會受損傷的工作環境中。在您使用任何設備之前，請注意觸電的危險，並且要熟悉預防事故發生的標準工作程序。請依照每一注意事項後的號碼找到相關的翻譯說明內容。

Warnung

WICHTIGE SICHERHEITSHINWEISE

Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu Verletzungen führen kann. Machen Sie sich vor der Arbeit mit Geräten mit den Gefahren elektrischer Schaltungen und den üblichen Verfahren zur Vorbeugung vor Unfällen vertraut. Suchen Sie mit der am Ende jeder Warnung angegebenen Anweisungsnummer nach der jeweiligen Übersetzung in den übersetzten Sicherheitshinweisen, die zusammen mit diesem Gerät ausgeliefert wurden.

BEWAHREN SIE DIESE HINWEISE GUT AUF.

INSTRUCCIONES IMPORTANTES DE SEGURIDAD

Este símbolo de aviso indica peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considere los riesgos de la corriente eléctrica y familiarícese con los procedimientos estándar de prevención de accidentes. Al final de cada advertencia encontrará el número que le ayudará a encontrar el texto traducido en el apartado de traducciones que acompaña a este dispositivo.

GUARDE ESTAS INSTRUCCIONES.

IMPORTANTES INFORMATIONS DE SÉCURITÉ

Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant entraîner des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers liés aux circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents. Pour prendre connaissance des traductions des avertissements figurant dans les consignes de sécurité traduites qui accompagnent cet appareil, référez-vous au numéro de l'instruction situé à la fin de chaque avertissement.

CONSERVEZ CES INFORMATIONS.

תקנון הזהרות אזהרה

הזהרות הבאות הן אזהרות על פי תקני התעשייה, על מנת להזהיר את המשתמש מפני חבלה פיזית אפשרית. במידה ויש שאלות או היתקלות בבעיה כלשהי, יש ליצור קשר עם מחלקת תמיכה טכנית של סופרמיקרו. טכנאים מוסמכים בלבד רשאים להתקין או להגדיר את הרכיבים. יש לקרוא את הנספח במלואו לפני התקנת או הגדרת הרכיבים במארזי סופרמיקרו.

اَكْ ف حالة وُكِي اَي تتسبب ف اصابة جسدهُ هذا الزهر عُ خطر! تحذُرُ .
 قبل اَي تعول على اَي هعدات، كي على علن بالوخاظر ال اُجوة عي الذوائر
 الكهزبائِة
 وكي على دراهُ بالووارسات النقاىِة لو عُ وقع اَي حادث
 استخدم رقن البِ اى الو صُص ف هَاهُ كل تحذُر للعشر تزجوتها

안전을 위한 주의사항

경고!

이 경고 기호는 위험이 있음을 알려 줍니다. 작업자의 신체에 부상을 야기 할 수 있는
 상태에 있게 됩니다. 모든 장비에 대한 작업을 수행하기 전에 전기회로와 관련된
 위험요소들을 확인하시고 사전에 사고를 방지할 수 있도록 표준 작업절차를 준수해 주시기
 바랍니다.

해당 번역문을 찾기 위해 각 경고의 마지막 부분에 제공된 경고문 번호를 참조하십시오

BELANGRIJKE VEILIGHEIDSINSTRUCTIES

Dit waarschuwings symbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij een elektrische installatie betrokken risico's en dient u op de hoogte te zijn van de standaard procedures om ongelukken te voorkomen. Gebruik de nummers aan het eind van elke waarschuwing om deze te herleiden naar de desbetreffende locatie.

BEWAAR DEZE INSTRUCTIES

Installation Instructions



Warning! Read the installation instructions before connecting the system to the power source.

設置手順書

システムを電源に接続する前に、設置手順書をお読み下さい。

警告

将此系统连接电源前,请先阅读安装说明。

警告

將系統與電源連接前，請先閱讀安裝說明。

Warnung

Vor dem Anschließen des Systems an die Stromquelle die Installationsanweisungen lesen.

¡Advertencia!

Lea las instrucciones de instalación antes de conectar el sistema a la red de alimentación.

Attention

Avant de brancher le système sur la source d'alimentation, consulter les directives d'installation.

יש לקרוא את הוראות התקנה לפני חיבור המערכת למקור מתח.

اقر إرشادات التركيب قبل توصيل النظام إلى مصدر للطاقة

시스템을 전원에 연결하기 전에 설치 안내를 읽어주십시오.

Waarschuwing

Raadpleeg de installatie-instructies voordat u het systeem op de voedingsbron aansluit.

Circuit Breaker

Warning! This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that the protective device is rated not greater than: 250 V, 20 A.

サーキット・ブレーカー

この製品は、短絡(過電流)保護装置がある建物での設置を前提としています。

保護装置の定格が250 V、20 Aを超えないことを確認下さい。

警告

此产品的短路(过载电流)保护由建筑物的供电系统提供,确保短路保护设备的额定电流不大于250V,20A。

警告

此產品的短路(過載電流)保護由建築物的供電系統提供,確保短路保護設備的額定電流不大於250V,20A。

Warnung

Dieses Produkt ist darauf angewiesen, dass im Gebäude ein Kurzschluss- bzw. Überstromschutz installiert ist. Stellen Sie sicher, dass der Nennwert der Schutzvorrichtung nicht mehr als: 250 V, 20 A beträgt.

¡Advertencia!

Este equipo utiliza el sistema de protección contra cortocircuitos (o sobrecorrientes) del edificio. Asegúrese de que el dispositivo de protección no sea superior a: 250 V, 20 A.

Attention

Pour ce qui est de la protection contre les courts-circuits (surtension), ce produit dépend de l'installation électrique du local. Vérifiez que le courant nominal du dispositif de protection n'est pas supérieur à :250 V, 20 A.

מוצר זה מסתמך על הגנה המותקנת במבנים למניעת קצר חשמלי. יש לוודא כי המכשיר המגן מפני הקצר החשמלי הוא לא יותר מ-250V, 20A

هذا المنتج يعتمد على معدات الحماية من الدوائر القصيرة التي تم تثبيتها في المبنى
تأكد من أن تقييم الجهاز الوقائي ليس أكثر من : 250V, 20A

경고!

이 제품은 전원의 단락(과전류)방지에 대해서 전적으로 건물의 관련 설비에 의존합니다. 보호장치의 정격이 반드시 250V(볼트), 20A(암페어)를 초과하지 않도록 해야 합니다.

Waarschuwing

Dit product is afhankelijk van de kortsluitbeveiliging (overspanning) van uw elektrische installatie. Controleer of het beveiligde apparaat niet groter gedimensioneerd is dan 250V, 20A.

Power Disconnection Warning



Warning! The system must be disconnected from all sources of power and the power cord removed from the power supply module(s) before accessing the chassis interior to install or remove system components (except for hot-swap components).



電源切断の警告

システムコンポーネントの取り付けまたは取り外しのために、シャーシ内部にアクセスするには、システムの電源はすべてのソースから切断され、電源コードは電源モジュールから取り外す必要があります。

警告

在你打开机箱并安装或移除内部器件前,必须将系统完全断电,并移除电源线。

警告

在您打開機殼安裝或移除內部元件前，必須將系統完全斷電，並移除電源線。

Warnung

Das System muss von allen Quellen der Energie und vom Netzanschlusskabel getrennt sein, das von den Spg.Versorgungsteilmodulen entfernt wird, bevor es auf den Chassisinnenraum zurückgreift, um Systemsbestandteile anzubringen oder zu entfernen.

¡Advertencia!

El sistema debe ser disconnected de todas las fuentes de energía y del cable eléctrico quitado de los módulos de fuente de alimentación antes de tener acceso el interior del chasis para instalar o para quitar componentes de sistema.

Attention

Le système doit être débranché de toutes les sources de puissance ainsi que de son cordon d'alimentation secteur avant d'accéder à l'intérieur du chassis pour installer ou enlever des composants de système.

אזהרה מפני ניתוק חשמלי

אזהרה!

יש לנתק את המערכת מכל מקורות החשמל ויש להסיר את כבל החשמל מהספק לפני גישה לחלק הפנימי של המארז לצורך התקנת או הסרת רכיבים.

يجب فصل انظاؤ من جميع مصادر انطاقت وإزانت سهك انكهرباء من وحدة امداد انطاقت قيم

انصل إلى انمناطق انداخييت نههيكم نثبيح أو إزانت مكنات الجهاز

경고!

시스템에 부품들을 장착하거나 제거하기 위해서는 새시 내부에 접근하기 전에 반드시 전원 공급장치로부터 연결되어있는 모든 전원과 전기코드를 분리해주어야 합니다.

Waarschuwing

Voordat u toegang neemt tot het binnenwerk van de behuizing voor het installeren of verwijderen van systeem onderdelen, dient u alle spanningsbronnen en alle stroomkabels aangesloten op de voeding(en) van de behuizing te verwijderen

Equipment Installation



Warning! Only authorized personnel and qualified service persons should be allowed to install, replace, or service this equipment.

機器の設置

トレーニングを受け認定された人だけがこの装置の設置、交換、またはサービスを許可されています。

警告

只有经过培训且具有资格的人员才能进行此设备的安装、更换和维修。

警告

只有經過受訓且具資格人員才可安裝、更換與維修此設備。

Warnung

Nur autorisiertes Personal und qualifizierte Servicetechniker dürfen dieses Gerät installieren, austauschen oder warten..

¡Advertencia!

Sólo el personal autorizado y el personal de servicio calificado deben poder instalar, reemplazar o dar servicio a este equipo.

Attention

Seul le personnel autorisé et le personnel de maintenance qualifié doivent être autorisés à installer, remplacer ou entretenir cet équipement..

אזהרה!

יש לאפשר רק צוות מורשה ואנשי שירות מוסמכים להתקין, להחליף או לטפל בציוד זה.

ينبغي السماح فقط للموظفين المعتمدين وأفراد الخدمة المؤهلين بتركيب هذا الجهاز أو استبداله أو صيانته.

경고!

승인된 직원과 자격을 갖춘 서비스 담당자만이 이 장비를 설치, 교체 또는 서비스할 수 있습니다.

Waarschuwing

Alleen geautoriseerd personeel en gekwalificeerd onderhoudspersoneel mag deze apparatuur installeren, vervangen of onderhouden..

Rack Stability Hazard

Warning! Stability hazard. The rack may tip over causing serious personal injury. Before extending the rack to the installation position, read the installation instructions.

ファンの警告

安定性に危険があります。ラックが転倒して、重大な人身事故を引き起こす可能性があります。ラックを設置位置まで伸ばす前に、設置手順をお読みください。設置位置にあるスライド レールに取り付けられた機器に負荷をかけないでください。スライド レールに取り付けられた機器を設置位置に放置しないでください。

警告

稳定性危険。机架可能会翻倒，造成严重的人身伤害。在将机架延伸到安装位置之前，请阅读安装说明。请勿在安装位置对滑轨安装的设备施加任何负载。请勿将滑轨安装的设备留在安装位置。

警告

穩定性危險。機架可能會翻倒，造成嚴重的人身傷害。將機架延伸至安裝位置前，請先閱讀安裝說明。請勿在安裝位置的滑軌安裝設備上放置任何負載。請勿將滑軌安裝設備留在安裝位置。

Warnung

Gefahr der Instabilität. Das Rack kann umkippen und schwere Verletzungen verursachen. Lesen Sie die Installationsanweisungen, bevor Sie das Rack in die Einbauposition ausfahren. Belasten Sie die auf den Gleitschienen montierten Geräte nicht in der Einbauposition. Lassen Sie die auf den Gleitschienen montierten Geräte nicht in der Einbauposition.

¡Advertencia!

Peligro de inestabilidad. El rack podría volcarse y causar lesiones personales graves. Antes de extender el rack a la posición de instalación, lea las instrucciones de instalación. No coloque ninguna carga sobre el equipo montado sobre rieles deslizantes en la posición de instalación. No deje el equipo montado sobre rieles deslizantes en la posición de instalación. Sólo el personal autorizado y el personal de servicio calificado deben poder instalar, reemplazar o dar servicio a este equipo.

Avertissement!

Danger d'instabilité. Le rack peut basculer et provoquer des blessures corporelles graves. Avant d'étendre le rack en position d'installation, lire les instructions d'installation. Ne pas charger l'équipement monté sur rail de glissière en position d'installation. Ne pas laisser l'équipement monté sur rail de glissière en position d'installation.

אזהרה!

סכנת חוסר יציבות

המתלה עלול להתהפך ולגרום לפציעה חמורה

לפני הארכת המתלה למצב ההתקנה, קרא את הוראות ההתקנה

אין להעמיס כל עומס על הציוד המותקן על מסילת ההחלקה במצב ההתקנה

אל תשאיר את הציוד המותקן על מסילת ההחלקה במצב ההתקנה

تحذير. خطر عدم الاستقرار. قد ينقلب الرف مسبباً إصابات جسدية خطيرة. قبل تمديد الرف إلى موضع التركيب، اقرأ تعليمات التركيب. لا تضع أي حمولة على الجهاز المثبت على سكة الانزلاق في موضع التركيب. لا تترك الجهاز المثبت على سكة الانزلاق في موضع التركيب.

경고!

안정성 위험. 랙이 넘어져 심각한 개인 부상을 입을 수 있습니다. 랙을 설치 위치까지 확장하기 전에 설치 지침을 읽으십시오. 설치 위치에서 슬라이드 레일 장착 장비에 하중을 가하지 마십시오. 슬라이드 레일 장착 장비를 설치 위치에 두지 마십시오.

Waarschuwing

Gevaar voor instabiliteit. Het rek kan kantelen en ernstig persoonlijk letsel veroorzaken. Lees de installatie-instructies voordat u het rek uitschuift naar de installatiepositie. Plaats geen last op de op de glijrail gemonteerde apparatuur in de installatiepositie. Laat de op de glijrail gemonteerde apparatuur niet in de installatiepositie staan.

Restricted Area



Warning! This unit is intended for installation in restricted access areas. A restricted access area can be accessed only through the use of a special tool, lock and key, or other means of security. (This warning does not apply to workstations).

アクセス制限区域

このユニットは、アクセス制限区域に設置されることを想定しています。

アクセス制限区域は、特別なツール、鍵と錠前、その他のセキュリティの手段を用いてのみ出入りが可能です。

警告

此部件应安装在限制进出的场所，限制进出的场所指只能通过使用特殊工具、锁和钥匙或其它安全手段进出的场所。

警告

此裝置僅限安裝於進出管制區域，進出管制區域係指僅能以特殊工具、鎖頭及鑰匙或其他安全方式才能進入的區域。

Warnung

Diese Einheit ist zur Installation in Bereichen mit beschränktem Zutritt vorgesehen. Der Zutritt zu derartigen Bereichen ist nur mit einem Spezialwerkzeug, Schloss und Schlüssel oder einer sonstigen Sicherheitsvorkehrung möglich.

¡Advertencia!

Esta unidad ha sido diseñada para instalación en áreas de acceso restringido. Sólo puede obtenerse acceso a una de estas áreas mediante la utilización de una herramienta especial, cerradura con llave u otro medio de seguridad.

Attention

Cet appareil doit être installée dans des zones d'accès réservés. L'accès à une zone d'accès réservé n'est possible qu'en utilisant un outil spécial, un mécanisme de verrouillage et une clé, ou tout autre moyen de sécurité.

אזור עם גישה מוגבלת

אזהרה!

יש להתקין את היחידה באזורים שיש בהם הגבלת גישה. הגישה ניתנת בעזרת
'כלי אבטחה בלבד' (מפתח, מנעול וכד.).

تخصيص هذه النحذة نترك بُها ف مناطق محظورة تم .
ممكن انصلل إن منطقت محظورة فقط من خلال استخذاو أداة خاصت
أو أ وس هُت أخري نلالأمما ققم ومفتاح

경고!

이 장치는 접근이 제한된 구역에 설치하도록 되어있습니다. 특수도구, 잠금 장치 및 키,
또는 기타 보안 수단을 통해서만 접근 제한 구역에 들어갈 수 있습니다.

Waarschuwing

Dit apparaat is bedoeld voor installatie in gebieden met een beperkte toegang. Toegang tot
dergelijke gebieden kunnen alleen verkregen worden door gebruik te maken van speciaal
gereedschap, slot en sleutel of andere veiligheidsmaatregelen.

Battery Handling



CAUTION: There is risk of explosion if the battery is replaced by an incorrect type. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions

電池の取り扱い

バッテリーを間違ったタイプに交換すると爆発の危険があります。交換する電池はメーカーが推奨する型、または同等のものを使用下さい。使用済電池は製造元の指示に従って処分して下さい。

警告

如果更换的电池类型不正确，则存在爆炸危险。请只使用同类电池或制造商推荐的功能相当的电池更换原有电池。请按制造商的说明处理废旧电池。

警告

如果更換的電池類型不正確，則有爆炸危險。請使用製造商建議之相同或功能相當的電池更換原有電池。請按照製造商的說明指示處理廢棄舊電池。

WARNUNG

Es besteht Explosionsgefahr, wenn die Batterie durch einen falschen Typ ersetzt wird. Ersetzen Sie die Batterie nur durch den gleichen oder vom Hersteller empfohlenen Batterietyp. Entsorgen Sie die benutzten Batterien nach den Anweisungen des Herstellers.

ATTENTION

Il existe un risque d'explosion si la batterie est remplacée par un type incorrect. Ne la remplacer que par une pile de type semblable ou équivalent, recommandée par le fabricant. Jeter les piles usagées conformément aux instructions du fabricant.

ADVERTENCIA

Existe riesgo de explosión si la batería se reemplaza por un tipo incorrecto. Reemplazar la batería exclusivamente con el mismo tipo o el equivalente recomendado por el fabricante. Desechar las baterías gastadas según las instrucciones del fabricante.

אזהרה!

קיימת סכנת פיצוץ אם הסוללה תוחלף בסוג שגוי. יש להחליף את הסוללה בסוג התואם מחברת יצרן מומלצת. סילוק הסוללות המשומשות יש לבצע לפי הוראות היצרן.

هناك خطر الانفجار إذا تم استبدال البطارية بنوع غير صحيح.
 اسحبذال البطارية
 فقط بنفس النوع أو ما يعادلها مما أوصت به الشركة المصنعة
 جخلص من البطاريات المسحمة وفقا لعمليات الشركة الصانعة

경고!

배터리를 잘못된 종류로 교체하면 폭발의 위험이 있습니다. 기존 배터리와 동일하거나 제조사에서 권장하는 동등한 종류의 배터리로만 교체해야 합니다. 제조사의 안내에 따라 사용된 배터리를 처리하여 주십시오.

WAARSCHUWING

Er bestaat explosiegevaar als de batterij wordt vervangen door een verkeerd type. Vervang de batterij slechts met hetzelfde of een equivalent type die door de fabrikant aanbevolen wordt. Gebruikte batterijen dienen overeenkomstig fabrieksvoorschriften afgevoerd te worden.

Redundant Power Supplies



Warning! This unit might have more than one power supply connection. All connections must be removed to de-energize the unit.

冗長電源装置

このユニットは複数の電源装置が接続されている場合があります。

ユニットの電源を切るためには、すべての接続を取り外さなければなりません。

警告

此部件连接的电源可能不止一个，必须将所有电源断开才能停止给该部件供电。

警告

此裝置連接的電源可能不只一個，必須切斷所有電源才能停止對該裝置的供電。

Warnung

Dieses Gerät kann mehr als eine Stromzufuhr haben. Um sicherzustellen, dass der Einheit kein Strom zugeführt wird, müssen alle Verbindungen entfernt werden.

¡Advertencia!

Puede que esta unidad tenga más de una conexión para fuentes de alimentación. Para cortar por completo el suministro de energía, deben desconectarse todas las conexiones.

Attention

Cette unité peut avoir plus d'une connexion d'alimentation. Pour supprimer toute tension et tout courant électrique de l'unité, toutes les connexions d'alimentation doivent être débranchées.

אם קיים יותר מספק אחד

אזהרה!

ליחידה יש יותר מחיבור אחד של ספק. יש להסיר את כל החיבורים על מנת לרוקן את היחידה.

قد يكون لهذا الجهاز عدة اتصالات بوحدات امداد الطاقة .

يجب إزالة كافة الاتصالات لعسل الوحدة عن الكهرباء

경고!

이 장치에는 한 개 이상의 전원 공급 단자가 연결되어 있을 수 있습니다. 이 장치에 전원을 차단하기 위해서는 모든 연결 단자를 제거해야만 합니다.

Waarschuwing

Deze eenheid kan meer dan één stroomtoevoeraansluiting bevatten. Alle aansluitingen dienen verwijderd te worden om het apparaat stroomloos te maken.

Backplane Voltage



Warning! Hazardous voltage or energy is present on the backplane when the system is operating. Use caution when servicing.

バックプレーンの電圧

システムの稼働中は危険な電圧または電力が、バックプレーン上にかかっています。

修理する際には注意ください。

警告

当系统正在进行时，背板上有很危险的电压或能量，进行维修时务必小心。

警告

當系統正在進行時，背板上有危險的電壓或能量，進行維修時務必小心。

Warnung

Wenn das System in Betrieb ist, treten auf der Rückwandplatine gefährliche Spannungen oder Energien auf. Vorsicht bei der Wartung.

¡Advertencia!

Cuando el sistema está en funcionamiento, el voltaje del plano trasero es peligroso. Tenga cuidado cuando lo revise.

Attention

Lorsque le système est en fonctionnement, des tensions électriques circulent sur le fond de panier. Prendre des précautions lors de la maintenance.

מתח בפנל האחורי

אזהרה!

קיימת סכנת מתח בפנל האחורי בזמן תפעול המערכת. יש להיזהר במהלך העבודה.

هناك خطر من التيار الكهربائي أو الطاقة المبددة على اللوحة
عندما يكون النظام يعمل كهذا عند خدمة هذا الجهاز

경고!

시스템이 동작 중일 때 후면판 (Backplane)에는 위험한 전압이나 에너지가 발생 합니다.
서비스 작업 시 주의하십시오.

Waarschuwing

Een gevaarlijke spanning of energie is aanwezig op de backplane wanneer het systeem in gebruik is. Voorzichtigheid is geboden tijdens het onderhoud.

Comply with Local and National Electrical Codes



Warning! Installation of the equipment must comply with local and national electrical codes.

地方および国の電気規格に準拠

機器の取り付けはその地方および国の電気規格に準拠する必要があります。

警告

设备安装必须符合本地与本国电气法规。

警告

設備安裝必須符合本地與本國電氣法規。

Warnung

Die Installation der Geräte muss den Sicherheitsstandards entsprechen.

¡Advertencia!

La instalación del equipo debe cumplir con las normas de electricidad locales y nacionales.

Attention

L'équipement doit être installé conformément aux normes électriques nationales et locales.

תיאום חוקי החשמל הארצי

אזהרה!

התקנת הציוד חייבת להיות תואמת לחוקי החשמל המקומיים והארציים.

تركيب المعدات الكهربائية يجب أن يمثل للقوايه المحلية والطية المتعلقة
بالكهرباء

경고!

현 지역 및 국가의 전기 규정에 따라 장비를 설치해야 합니다.

Waarschuwing

Bij installatie van de apparatuur moet worden voldaan aan de lokale en nationale elektriciteitsvoorschriften.

Product Disposal



Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.

製品の廃棄

この製品を廃棄処分する場合、国の関係する全ての法律・条例に従い処理する必要があります。

警告

本产品的废弃处理应根据所有国家的法律和规章进行。

警告

本產品的廢棄處理應根據所有國家的法律和規章進行。

Warnung

Die Entsorgung dieses Produkts sollte gemäß allen Bestimmungen und Gesetzen des Landes erfolgen.

¡Advertencia!

Al deshacerse por completo de este producto debe seguir todas las leyes y reglamentos nacionales.

Attention

La mise au rebut ou le recyclage de ce produit sont généralement soumis à des lois et/ou directives de respect de l'environnement. Renseignez-vous auprès de l'organisme compétent.

סילוק המוצר

אזהרה!

סילוק סופי של מוצר זה חייב להיות בהתאם להנחיות וחוקי המדינה.

التخلص النهائي من هذا المنتج ينبغي التعامل معه وفقا لجميع القوانين واللوائح الوطنية عند

경고!

이 제품은 해당 국가의 관련 법규 및 규정에 따라 폐기되어야 합니다.

Waarschuwing

De uiteindelijke verwijdering van dit product dient te geschieden in overeenstemming met alle nationale wetten en reglementen.

Fan Warning

Warning! Hazardous moving parts. Keep away from moving fan blades. The fans might still be turning when you remove the fan assembly from the chassis. Keep fingers, screwdrivers, and other objects away from the openings in the fan assembly's housing.

ファンの警告

警告!回転部品に注意。運転中は回転部(羽根)に触れないでください。シャーシから冷却ファン装置を取り外した際、ファンがまだ回転している可能性があります。ファンの開口部に、指、ドライバー、およびその他のものを近づけないで下さい。

警告!

警告! 危险的可移动性零件。请务必与转动的风扇叶片保持距离。当您从机架移除风扇装置，风扇可能仍在转动。小心不要将手指、螺丝起子和其他物品太靠近风扇

警告

危险的可移动性零件。请务必与转动的风扇叶片保持距离。当您从机架移除风扇装置，风扇可能仍在转动。小心不要将手指、螺丝起子和其他物品太靠近风扇。

Warnung

Gefährlich Bewegende Teile. Von den bewegenden Lüfterblätter fern halten. Die Lüfter drehen sich u. U. noch, wenn die Lüfterbaugruppe aus dem Chassis genommen wird. Halten Sie Finger, Schraubendreher und andere Gegenstände von den Öffnungen des Lüftergehäuses entfernt.

¡Advertencia!

Riesgo de piezas móviles. Mantener alejado de las aspas del ventilador. Los ventiladores podran dar vuelta cuando usted quite el montaje del ventilador del chasis. Mantenga los dedos, los destornilladores y todos los objetos lejos de las aberturas del ventilador

Attention

Pieces mobiles dangereuses. Se tenir a l'écart des lames du ventilateur Il est possible que les ventilateurs soient toujours en rotation lorsque vous retirerez le bloc ventilateur du châssis. Prenez garde à ce que doigts, tournevis et autres objets soient éloignés du logement du bloc ventilateur.

אזהרה!

חלקים נעים מסוכנים. התרחק מלהבי המאוורר בפעולה כאשר מסירים את חלקי המאוורר מהמארז, יתכן והמאווררים עדיין עובדים. יש להרחיק למרחק בטוח את האצבעות וכלי עבודה שונים מהפתחים בתוך המאוורר

تحذير! أجزاء متحركة خطيرة. ابتعد عن شفرات المروحة المتحركة. من الممكن أن المراوح لا تزال تدور عند إزالة كتلة المروحة من الهيكل يجب إبقاء الأصابع ومفكات البراغي وغيرها من الأشياء بعيدا عن الفتحات في كتلة المروحة

경고!

움직이는 위험한 부품. 회전하는 송풍 날개에 접근하지 마세요. 새시로부터 팬 조립품을 제거할 때 팬은 여전히 회전하고 있을 수 있습니다. 팬 조립품 외관의 열려있는 부분들로부터 손가락 및 스크류드라이버, 다른 물체들이 가까이 하지 않도록 배치해 주십시오.

Waarschuwing

Gevaarlijk bewegende onderdelen. Houd voldoende afstand tot de bewegende ventilatorbladen. Het is mogelijk dat de ventilator nog draait tijdens het verwijderen van het ventilatorsamenstel uit het chassis. Houd uw vingers, schroevendraaiers en eventuele andere voorwerpen uit de buurt van de openingen in de ventilatorbehuizing.

Power Cable and AC Adapter



Warning! When installing the product, use the provided or designated connection cables, power cables and AC adaptors. Using any other cables and adaptors could cause a malfunction or a fire. Electrical Appliance and Material Safety Law prohibits the use of UL or CSA -certified cables (that have UL/CSA shown on the cord) for any other electrical devices than products designated by Supermicro only.

電源コードとACアダプター

製品を設置する場合、提供または指定および購入された接続ケーブル、電源コードとACアダプターを、該当する地域の条例や安全基準に適合するコードサイズやプラグと共に使用下さい。他のケーブルやアダプタを使用すると故障や火災の原因になることがあります。

電気用品安全法は、ULまたはCSA認定のケーブル(UL/CSAマークがコードに表記)を Supermicro が指定する製品以外に使用することを禁止しています。

警告

安装此产品时,请使用本身提供的或指定的或采购的连接线,电源线和电源适配器。包含遵照当地法规和安全要求的合规的电源线尺寸和插头。使用其它线材或适配器可能会引起故障或火灾。除了Supermicro所指定的产品,电气用品和材料安全法律规定禁止使用未经UL或CSA认证的线材。(线材上会显示UL/CSA符号)。

警告

安裝此產品時,請使用本身提供的或指定的或採購的連接線,電源線和電源適配器。包含遵照當地法規和安全要求的合規的電源線尺寸和插頭。使用其它線材或適配器可能會引起故障或火災。除了Supermicro所指定的產品,電氣用品和材料安全法律規定禁止使用未經UL或CSA認證的線材。(線材上會顯示UL/CSA符號)。

Warnung

Nutzen Sie beim Installieren des Produkts ausschließlich die von uns zur Verfügung gestellten Verbindungskabeln, Stromkabeln und/oder Adapter, die Ihre örtlichen Sicherheitsstandards einhalten. Der Gebrauch von anderen Kabeln und Adapter können Fehlfunktionen oder Feuer verursachen. Die Richtlinien untersagen das Nutzen von UL oder CAS zertifizierten Kabeln (mit UL/CSA gekennzeichnet), an Geräten oder Produkten die nicht mit Supermicro gekennzeichnet sind.

¡Advertencia!

Cuando instale el producto, utilice la conexión provista o designada o procure cables, Cables de alimentación y adaptadores de CA que cumplan con los códigos locales y los requisitos de seguridad, incluyendo el tamaño adecuado del cable y el enchufe. El uso de otros cables y adaptadores podría causar un mal funcionamiento o un incendio. La Ley de Seguridad de Aparatos Eléctricos y de Materiales prohíbe El uso de cables certificados por UL o CSA (que tienen el certificado UL / CSA en el código) para cualquier otros dispositivos eléctricos que los productos designados únicamente por Supermicro.

Attention

Lors de l'installation du produit, utilisez les cables de connection fournis ou désigné ou achetez des cables, cables de puissance et adaptateurs respectant les normes locales et les conditions de securite y compris les tailles de cables et les prises electriques appropriées. L'utilisation d'autres cables et adaptateurs peut provoquer un dysfonctionnement ou un incendie. Appareils électroménagers et la Loi sur la Sécurité Matériel interdit l'utilisation de câbles certifiés- UL ou CSA (qui ont UL ou CSA indiqué sur le code) pour tous les autres appareils électriques sauf les produits désignés par Supermicro seulement.

AC ימאתמו מילמשח מילבכ

!הרהזא

ךרוצל ומאתוה וא ושכרנ רשא AC מימאתמו מיקפס, מילבכב שמתשהל שי, רצומה תא מיניקתמ רשאכ לכב שומיש . עקתהו לבכה לש הנוכח הדימ ללוכ, תוימוקמה תוחיטבה תושירדל ומאתוה רשאו, הנקתהה למשחה ירישכמב שומישה יקוחל מאתהב. ילמשח רצק וא הלקתל מורגל לולע, רחא גוסמ מאתמ וא לבכ לש דוק מהילע עיפומ רשאכ) UL-ב או CSA-ב -ב מיכמסומה מילבכב שמתשהל רוסיא מייק, תוחיטבה יקוחו דבלב Supermicro י"ע מאתוה רשא רצומב קר אלא, רחא ילמשח רצומ לכ רובע (UL/CSA)

תאלבאלא אארשב מק וא ענדחמל וא ערפוטמל תאליסוולא מודחטסאב מק, גתנמל בייקרת דנע כלז יפ אמב עילחמל עמאלסל תאבלטתמו נינאווב מאזתלל עמ דדרתמל ראיטל תאלוחמו עיזאברמלל קיירח וא לטע יפ בבסטטי דק ירזא תאלוחמו תאלבאלא יא מודחטסא. מילסל סבאלל ולסומל מרח CSA ו UL לבק נמ ענדחמל תאלבאלא מודחטסא תאדעמל עיזאברמלל עזגאלל עמאלסל נונאק רזחי Supermicro לבק נמ ענדחמל עינעמל תאגתנמל ריג ירזא תאדעמ יא עמ (UL/CSA) עמאלע למחת יטלל

전원 케이블 및 AC 어댑터

경고! 제품을 설치할 때 현지 코드 및 적절한 굵기의 코드와 플러그를 포함한 안전 요구 사항을 준수하여 제공되거나 지정된 연결 혹은 구매 케이블, 전원 케이블 및 AC 어댑터를 사용하십시오.

다른 케이블이나 어댑터를 사용하면 오작동이나 화재가 발생할 수 있습니다. 전기 용품 안전법은 UL 또는 CSA 인증 케이블 (코드에 UL / CSA가 표시된 케이블)을 Supermicro가 지정한 제품 이외의 전기 장치에 사용하는 것을 금지합니다.

Stroomkabel en AC-Adapter

Waarschuwing! Bij het aansluiten van het Product uitsluitend gebruik maken van de geleverde Kabels of een andere geschikte aan te schaffen Aansluitmethode, deze moet altijd voldoen aan de lokale voorschriften en veiligheidsnormen, inclusief de juiste kabeldikte en stekker. Het gebruik van niet geschikte Kabels en/of Adapters kan een storing of brand veroorzaken. Wetgeving voor Elektrische apparatuur en Materiaalveiligheid verbied het gebruik van UL of CSA -gecertificeerde Kabels (met UL/CSA in de code) voor elke andere toepassing dan de door Supermicro hiervoor beoogde Producten.