



SSE-G3748 SERIES ETHERNET SWITCHES



SSE-G3748-SONIC	SSE-G3748R-SONIC
SSE-G3748D-SONIC	SSE-G3748DR-SONIC
SSE-G3748-SMIS	SSE-G3748R-SMIS
SSE-G3748D-SMIS	SSE-G3748DR-SMIS

USER'S MANUAL

Revision 1.0

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California Best Management Practices Regulations for Perchlorate Materials: This Perchlorate warning applies only to products containing CR (Manganese Dioxide) Lithium coin cells. "Perchlorate Material-special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate".



WARNING: This product can expose you to chemicals including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

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Manual Revision 1.0

Release Date: February 14, 2023

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Printed in the United States of America

Preface

About this Manual

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

Notes

- Supermicro product manuals: <http://www.supermicro.com/support/manuals/>
- Product safety info: http://www.supermicro.com/about/policies/safety_information.cfm

If you have any questions, please contact our support team at:
support@supermicro.com

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-G3748 series of switches.

1.2 Overview

The SSE-G3748 series switch is an Out-of-Band (OOB) switch with forty-eight 1G RJ45 ports, six SFP28 25G ports, one 1G RJ45 100/1000Base-T management port, one RJ45 serial console port, and one USB Type A storage port in a fixed configuration. The SSE-G3748 series enables the aggregation of high density 1RU rack servers, providing cost-effective network infrastructure solutions in data center and enterprise network. The SSE-G3748 series switch is an extremely compact 1RU form factor that increases the network radix for high density switching.

	SSE-G3748/D/R/DR-SONIC	SSE-G3748/D/R/DR-SMIS
Operating System	Software for Open Networking in the Cloud (SONiC OS)	SMIS (Supermicro OS)

Supermicro provides user-friendly enhancements to the OS that suits to the various data center and Enterprise applications.

1.3 Features

The SSE-G3748 series Ethernet switches offer the following features:

- Forty-eight 1G RJ45 ports
- Six 25G SFP28 ports
- One RJ45 serial console
- One RJ45 100/1000BASE-T management port
- One USB Type A storage port

1.4 Physical Characteristics

The SSE-G3748 series Ethernet switches have the following physical characteristics:

- 1U form factor
- Dimensions: 445 x 356 x 43.5 cm (17.5 x 14 x 1.7 inches)
- Weight: 8 Kg (17.6 lb)

Chapter 2

Standardized Warning Statements

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 الزهز عُ خطر! تحذُرُ .
 قبل اَي تعول على اَي هعدات، كي على اعلن بالوخاطز ال اُجوة عي الذوائر
 الكهزبائِة
 وكي على دراةُ بالووارسات النقااِة لو عُ وقع اَي حادث
 استخدم رقن الب اِى الو صُص ف هاةُ كل تحذُرُ 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.

اقرأ 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-250VDC, 20A

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

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.

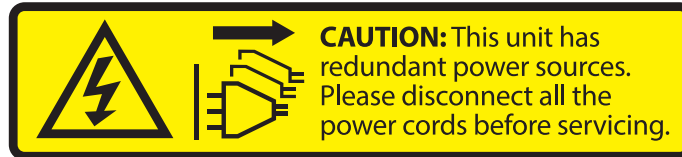
Waarschuwing

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.



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 chasis pour installer ou enlever des composants de système.

אזהרה מפני ניתוק חשמלי

אזהרה!

יש לנתק את המערכת מכל מקורות החשמל ויש להסיר את כבל החשמלי 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 قېم

انصل إلى امناطق انداخهيت نههيكم نتشيج أو إزانت مكناث 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 trained and qualified personnel 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せん。

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

Das Installieren, Ersetzen oder Bedienen dieser Ausrüstung sollte nur geschultem, qualifiziertem Personal gestattet werden.

¡Advertencia!

Solamente el personal calificado debe instalar, reemplazar o utilizar este equipo.

Attention

Il est vivement recommandé de confier l'installation, le remplacement et la maintenance de ces équipements à des personnels qualifiés et expérimentés.

אזהרה!

צוות מוסמך בלבד רשאי להתקין, להחליף את הציוד או לתת שירות עבור הציוד.

والمدربيه لتزكيب واستبدال أو خدمة هذا الجهاز يجب أن يسمح فقط للمظفيه المؤهليه

경고!

훈련을 받고 공인된 기술자만이 이 장비의 설치, 교체 또는 서비스를 수행할 수 있습니다.

Waarschuwing

Deze apparatuur mag alleen worden geïnstalleerd, vervangen of hersteld door geschoold en gekwalificeerd personeel.

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

此装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 installé 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 انحدة نترك بها 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



Warning! There is the danger of explosion if the battery is replaced incorrectly. 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

電池交換が正しく行われなかった場合、破裂の危険性があります。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

電池更換不當會有爆炸危險。請只使用同類電池或制造商推薦的功能相當的電池更換原有電池。請按製造商的說明處理廢舊電池。

警告

電池更換不當會有爆炸危險。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

Bei Einsetzen einer falschen Batterie besteht Explosionsgefahr. Ersetzen Sie die Batterie nur durch den gleichen oder vom Hersteller empfohlenen Batterietyp. Entsorgen Sie die benutzten Batterien nach den Anweisungen des Herstellers.

Attention

Danger d'explosion si la pile n'est pas remplacée correctement. 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 peligro de explosión si la batería se reemplaza de manera incorrecta. 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 של הסוללה במידה והוחלפה בדרך לא תקינה. יש להחליף את הסוללה בסוג התואם מחברת יצרן מומלצת. סילוק הסוללות המשומשות יש לבצע לפי הוראות היצרן.

هناك خطر من انفجار في حالة اسبدال البطارية بطريقة غير صحيحة فعلياً
 اسبدال البطارية
 فقط بنفس النوع أو ما يعادلها مما أوصت به الشركة المصنعة
 جخلص من البطاريات المسحومة وفقاً لعمليات الشركة الصانعة

경고!

배터리가 올바르게 교체되지 않으면 폭발의 위험이 있습니다. 기존 배터리와 동일하거나 제조사에서 권장하는 동등한 종류의 배터리로만 교체해야 합니다. 제조사의 안내에 따라 사용된 배터리를 처리하여 주십시오.

Waarschuwing

Er is ontploffingsgevaar indien de batterij verkeerd vervangen wordt. 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

此装置连接的电源可能不只一个，必须切断所有电源才能停止对该装置的供电。

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 المتجددة على اللوحة
عندما يكون النظام يعمل كه حذرا 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 يمتثل للقوايه المحلية والبطية 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.

Hot Swap 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・ホットスワップの警告

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! 危險的可移動性零件。請務必與轉動的风扇叶片保持距離。当您从机架移除风扇装置，风扇可能仍在转动。小心不要將手指、螺絲起子和其他物品太靠近風扇

警告

危險的可移動性零件。請務必與轉動的风扇叶片保持距離。当您從機架移除風扇裝置，風扇可能仍在轉動。小心不要將手指、螺絲起子和其他物品太靠近風扇。

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 appropries. 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 מיילמשח 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-UL מיכמוסומה מילבכב שמתשהל רוסיא מייק, תוחיטבה יקוחו דבלב Supermicro י"ע מאתוה רשא רצומב קר אלא, רחא ילמשח רצומ לכ רובע (UL/CSA)

תאלבאלא אארשב מץ וא ענדדחמלא וא ערפוטמלא תאליטוטלא מאדחטסאב מץ, גתנמלא בייקרת דנע לכלז יפ אמב עילחמלא עמאלסלא תאבלטתמו נינאווקב מאזתלאלא עמ דדרתמלא ראיטלא תאלוחמו עיילברמלא קיירח וא לטע יפ בבסטטי דץ ירשא תאלוחמו תאלבאלא יא מאדחטסא. מילסלא סבאלאו ולסומלא מץח CSA וא UL לבק נמ ענדמטעמלא תאלבאלא מאדחטסא תאדעמלאו עיילברמלא עזעאלל עמאלסלא נונאק רזחיי Supermicro לבק נמ ענדדחמלאו עינעמלא תאגתנמלא רייג ירשא תאדעמ יא עמ (UL/CSA) עמאלע למחתיטלאו

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.

Chapter 3

Installation and Setup

This chapter covers the setup of SSE-G3748 series Ethernet switches.

3.1 SSE-G3748/D/R/DR-SONIC

Installation

To install SSE-G3748 series Ethernet switches use 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.
3. Mount the switch into your rack assembly.

Configuring the Switch Module

The SSE-G3748/D/R/DR-SONIC Ethernet switch can be configured directly through a command line interface (using the SSH interface or the serial console).

The management utility accesses the switch directly using 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 command line interface 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 command line interface 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

SSE-G3748 allows CLI access over SSH via both out-of-band management and in-band management as mentioned below.

1. Out-of-band management: Connect the management port ("eth0", the RJ45 port next to console port) to a network. Using serial console read the IP address assigned to eth0. The PC must be able to ping the IP address configured on "eth0". Now, SSH can be established from the PC to SSE-G3748.
2. In-band management: Connect any of the data port to a network. Using serial console read the IP address assigned to the data port. The PC must be able to ping the IP address configured on data port. Now, SSH can be established from the PC.

Firmware

The firmware for SSE-G3748 series Ethernet switches resides on a chip on the PCB.

Firmware Upgrading Procedures

SONiC firmware can be installed in one of two methods:

1. From within a running SONiC image using the sonic-installer CLI command.
2. From ONIE

Please refer the Supermicro SONiC configuration guide document for details about each of the above mentioned methods.

3.2 SSE-G3748/D/R/DR-SMIS

Installation

To install SSE-G3748/D/R/DR-SMIS Ethernet switches, use 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 mounting ears onto the side of the switch using a screwdriver.
3. Mount the switch into your rack assembly.

Configuring the Switch Module

The SSE-G3748/D/R/DR-SMIS Ethernet switch module can be configured using two methods. You may configure it:

- Through the web-based management utility
- Directly through a command line interface (using a SSH or a telnet or a serial console)

The management utility accesses the switch module through any web browser. To access 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.

Web-based Management Utility

You can use the web-based management utility on a web browser to configure the switch module. You can access the configuration menu by a network connection.

Command Line Interface

Configuring the switch can be done using a command line interface via telnet or by using the serial console interface.

Accessing CLI through Telnet

To access the command line interface via Telnet, 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 a telnet client session with the switch management IP (The switch's management IP can be found from a serial console connection.) This brings up the switch's command line interface for user login.
3. Enter the default username (ADMIN) and the unique password to login to the switch. The factory unique password can be found on the sticker that is stuck at the bottom of the switch.
4. To view the switch configurations use show commands and to configure the switch type config term to get access to the configuration commands. For help, type ? **or help**.

Accessing CLI through a Serial Console

To access the command line interface 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 command line interface for user login.
5. Enter the username ADMIN and the unique password to login to the switch.
6. To view the switch configurations use the `show` command and to configure the switch type `config term` to get access to the configuration commands. For help, type `? or help`.

For further information on the use of the command line interface, see the separate CLI User's Guide manual at https://www.supermicro.com.tw/zh_tw/products/accessories/Networking/SSE-G3748-SMIS.php.

Firmware

The firmware for SSE-G3748/D/R/DR-SMIS Ethernet switches resides on a chip on the PCB. The switch has internal flash memory in two areas to hold two firmware images. The flash area used for the normal firmware image is referred to as the normal area. The other flash area, referred to as the fallback area, is used to store the firmware image for fallback purposes in case of a failure to boot from the normal area.

Firmware Upgrading Procedures

The procedures for firmware upgrading and using a fallback firmware image are listed below. Upgrading Firmware on the switch using TFTP or the network

To upgrade the switch's firmware, use the procedure below.

1. Designate a server or the network as an TFTP server.
2. Copy the latest firmware to the TFTP root directory on the TFTP server machine.
3. Make sure the upgraded TFTP server and switch both have network reachability.
4. Login to the switch CLI, either through Telnet or a serial console port.
5. Type the command below to upgrade the firmware in the normal area:

```
firmware upgrade tftp://<ip-address>/<filename>
flash:normal
```

Here, `<ip-address>` is the IP address of the TFTP server and `<filename>` is the name of the firmware image file.

6. On successful download, the CLI displays the following string:

```
Firmware download completed successfully.
```

After a successful download, reboot the switch to use this latest firmware.

7. If the download fails, check the IP address, file name, network connections and configurations to reach the TFTP server. If the switch does not come up after the firmware upgrade due to any incorrect firmware images, boot the switch using a fallback firmware image. Refer to the steps in the procedure "Booting using a Fallback Firmware Image" below to boot the switch using a fallback firmware image.
8. Once the switch is booted with a fallback firmware, repeat the above steps to upgrade with the correct firmware image.
9. On successful upgrade to the latest firmware, it is advised that you upgrade the fallback firmware image also. Follow the steps listed in the procedure "Upgrading Fallback Firmware using TFTP" below to upgrade the fallback firmware image.

Chapter 4

Ports and Indicators

This chapter covers the ports and LED indicators found on the SSE-G3748 series switch.

4.1 Front View

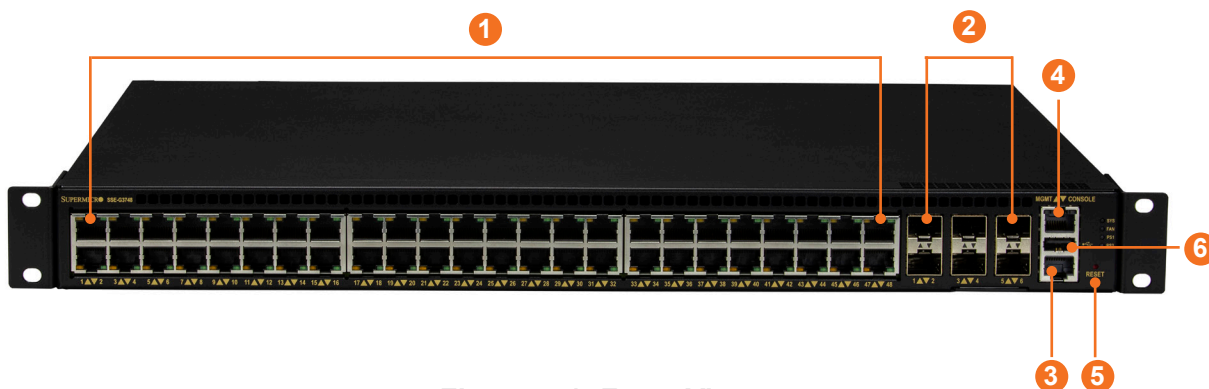


Figure 4-1. Front View

Front Features	
Item	Description
1	Forty-eight 1G RJ45 ports
2	Six 25G SFP28 ports
3	One RJ45 100/1000BASE-T management port
4	One RJ45 serial console port
5	Reset button
6	One USB Type A storage port

4.2 Rear View



Figure 4-2. Rear View

Rear Features	
Item	Description
1	Two hot-swappable FAN modules.
2	Two hot-swappable power supplies. PSU1 on the right, and PSU2 on the left.

4.3 Ports

The SSE-G3748 series switches all include the front ports listed below.

RJ45 Ports

48 RJ45 1G ports for 1G connections.

SFP+ Ports

Six SFP28 25G ports for 25G and 10G connection.

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 Type A storage port.

4.4 Indicators

This section covers LED indicators for the SSE-G3748 series Ethernet switches.

These LEDs are listed in the tables below.

Front Panel LED - System

LED Indicator	Color	Status	R/W (SW)	Description
System Status	Green	Blinking	R/W	Switch is powering up.
		Solid on		Switch is operating normally.
	Red	On		Switch is in a failed state.
	Blue	On		Switch locator function is enabled.
Fan	Green	On	R/W	Fan is operating normally.
	Red	On		Fan is missing or has failed.
PSU1 & PSU2	Green	On	R/W	Power supply is operating normally.
	Red	On		Power supply has no power or has failed.
MGMT Port (Left LED)	Amber	On	R	100Mbps Link
	Green	On		1000Mbps Link
	Off	Off		Link in 10Mbps or no link.
MGMT Port (Right LED)	Green	On	R	Link
		Blinking		Activity
		Off		No link

Front Panel LED - 1G Ports and SFP Ports

LED Indicator	Color	Status	R/W (SW)	Description
RJ45 Port (Left LED)	Amber	On	R	100/1000Mbps link
		Off		Link in 10Mbps or no link.
RJ45 Port (Right LED)	Green	On	R	Link
		Blinking		Activity
		Off		No link
SFP Port	Amber	Off	R	The port is not active or the link is not connected
		Solid on		When the port is connected to 10G
		Blinking		When transmitting or receiving data
	Green	Off	R	The port is not active or the link is not connected
		Solid on		When the port is connected to 25G
		Blinking		When transmitting or receiving data

Rear Panel LED - Fan / PSU LEDs

LED Indicator	Color	Status	R/W (SW)	Description
Fan	Green	Off	R/W	The fan has failed or is not connected.
		Solid on		Normal operation
PSU	Green (AC)	Off	R	Power supply has no power or has failed.
		Solid on		Power supply is operating normally.
	Green (DC)	Off	R	Power supply has no power or has failed.
		Solid on		Power supply is operating normally.

Appendix A

Rack Installation

A.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 system operational within a minimum amount of time.

A.2 Unpacking the System

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.

A.3 Preparing for Setup

The optional rail kit ships in a separate box and that box should include two sets of rail assemblies, two rail mounting brackets and the mounting screws needed to install the system 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).

A.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 system 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.

Warning: 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

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}).

Reduced 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.).

A.5 Rack Mounting Instructions

This chapter 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.

Installation Location

The switch can be mounted in a standard 19" equipment rack on a horizontal surface.

Mounting

The switch can be mounted in a rack by using the rack bracket or rail rack-mounting kit provided. The installation instructions are shown below.

Rack Bracket

Use size M3 flat head screws and secure the rack bracket to the switch.

Note: The rack bracket can be fixed on the front side or back side of the switch.

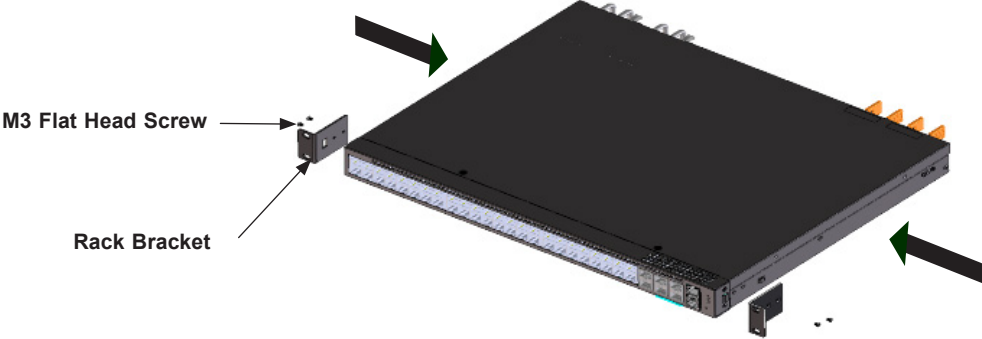


Figure A-1. Fixing the Rack Bracket on the Front Side of the Switch

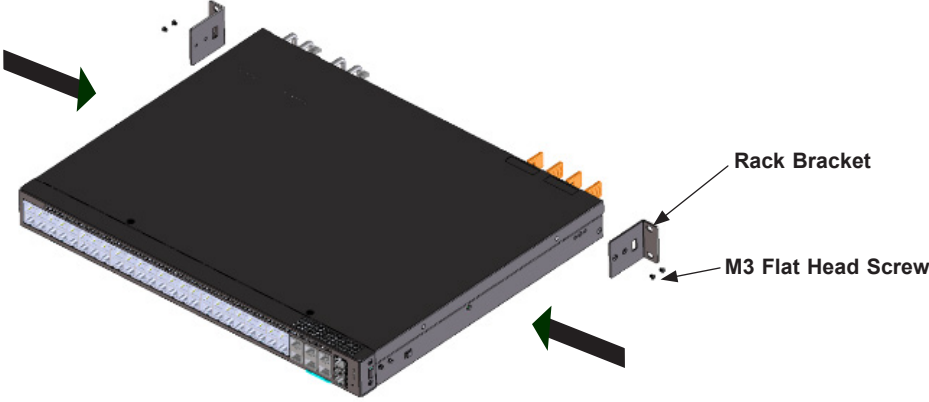


Figure A-2. Fixing the Rack Bracket on the Rear Side of the Switch

Installing the Inner Rails

Begin the rack mounting procedure by installing the inner rails to 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 side of the switch with the holes in the inner rail.
3. Slide the inner rail toward the rear of the switch until the quick release bracket snaps into place, securing the rails to the switch.
4. Further secure the inner rails to the switch with the flat head screws size M3 and M4.

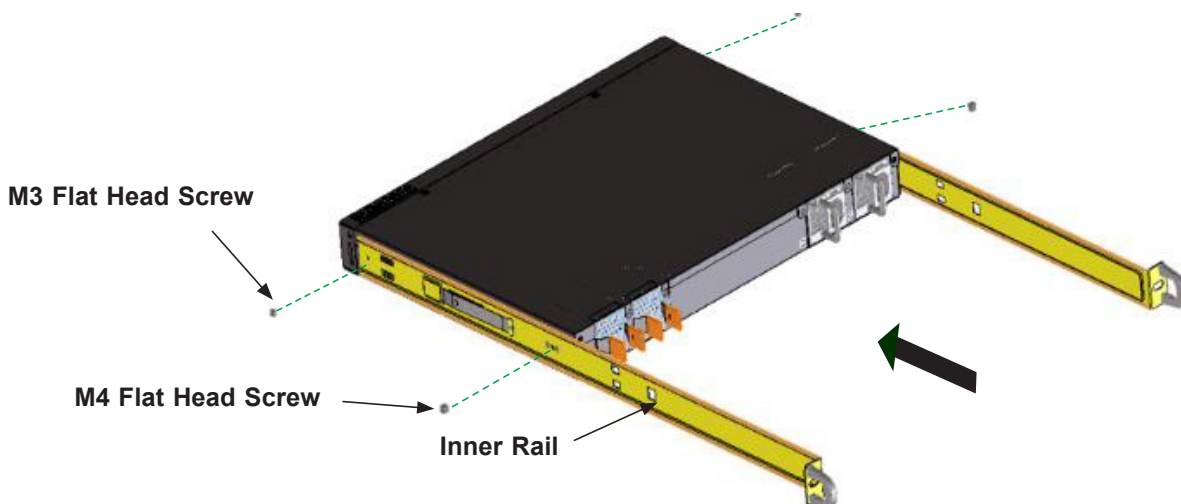


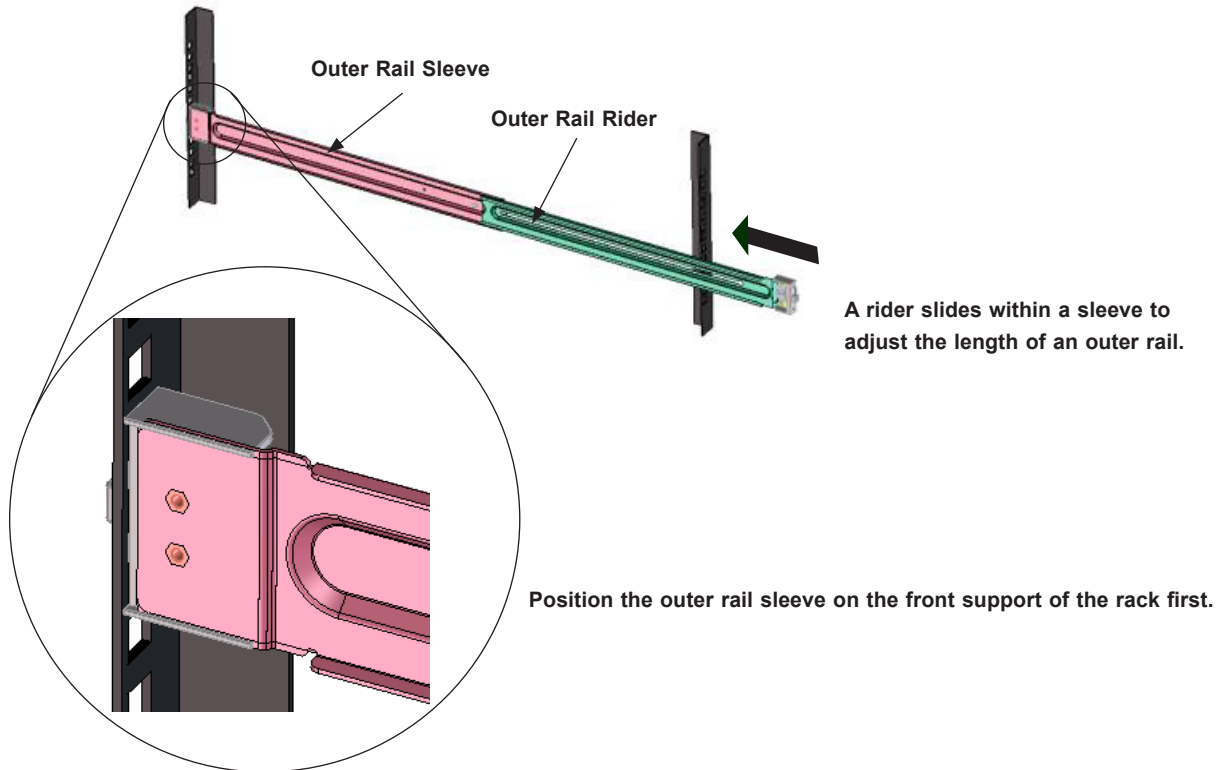
Figure A-3. Installing the Inner Rail

Installing Outer Rails onto the Rack

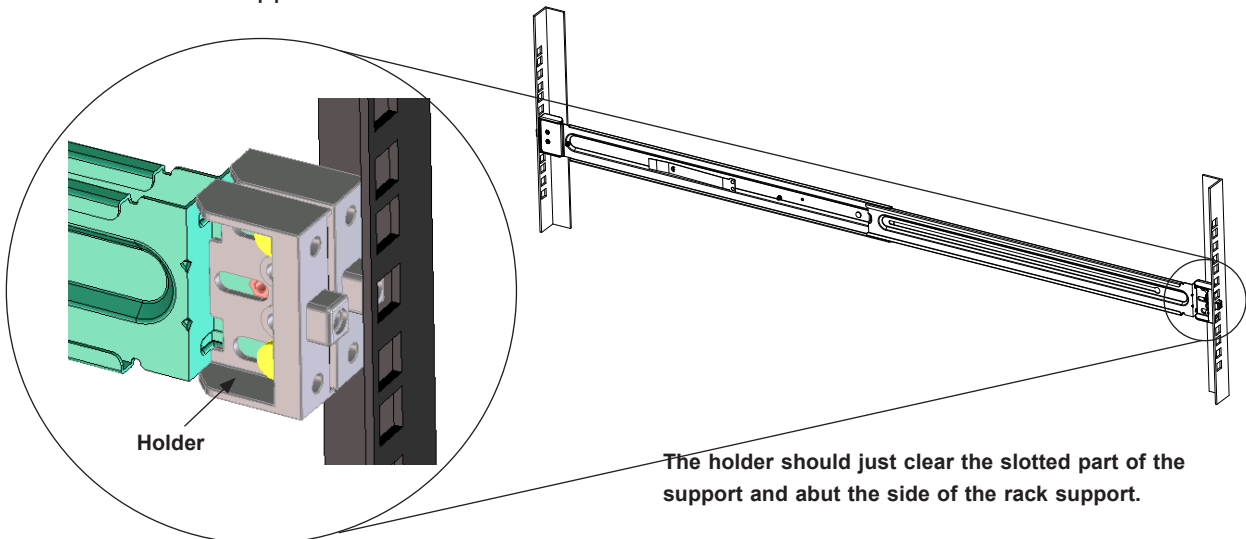
Follow the steps below to assemble and install the outer rails on the rack.

Installing the Outer Rails on the Rack

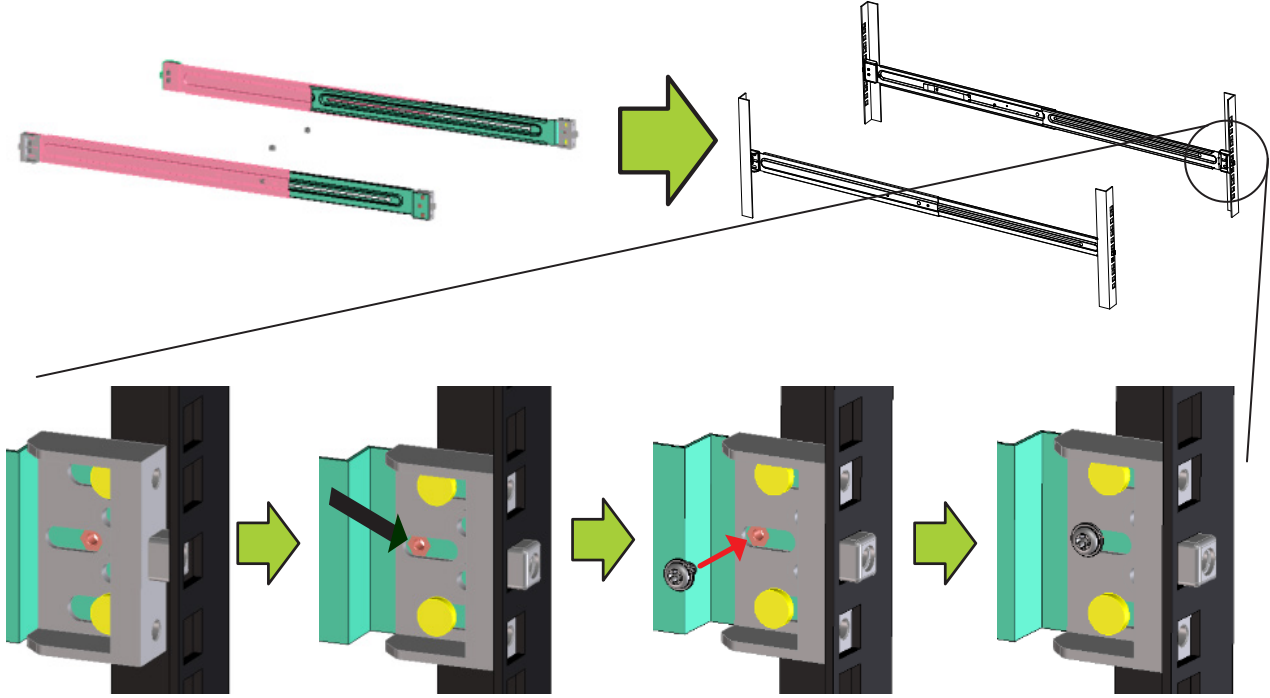
1. The outer rails each include a sleeve and a rider. Place the tab that protrudes from the free end of the sleeve into a post-hole slot on the front support of the rack such that the tab fits squarely into the slot.



2. The free end of the rider includes a holder, which can be extended. Ensure the holder is not extended at this point. Then, push the outer rail's rider inwardly until the holder can just clear the mounting slots of the rack's back support, but abuts the un-slotted side beam of the support.

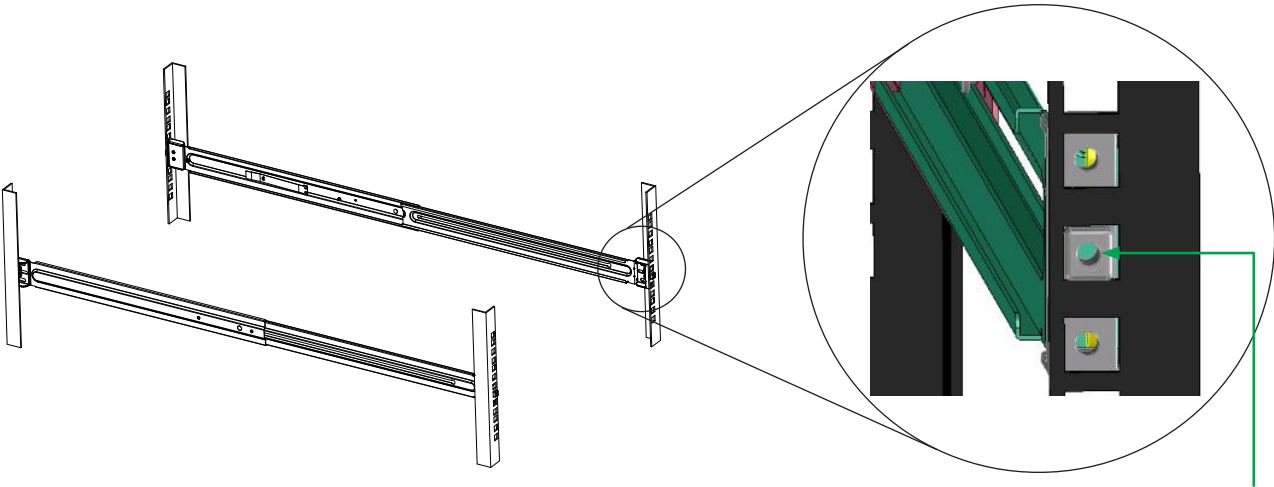


- 3. The outer rail is now the proper length. Without changing its length, take the outer rail off the rack.
- 4. Secure the sleeve to the rider with M3 pan head screws to maintain this length.
- 5. Once the outer rails have been adjusted for length, place them onto the rack.



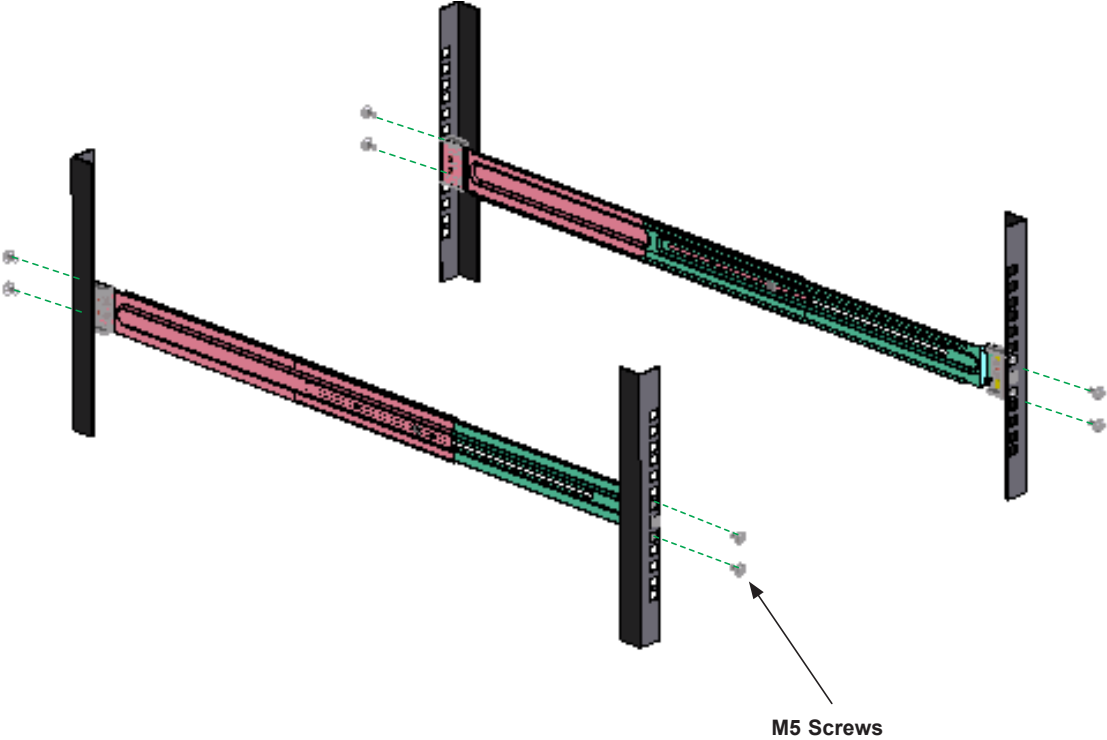
Secure the holder with M3 pan head screws.

- 6. The holder includes a tab which protrudes from its structure. Position the tab over the desired post-hole slot on the rack's rear support, then slide the holder's tab into the slot. Use an M3 pan head screw to lock the holder in place.



The holder's tab should protrude through the post hole slot.

- 7. Secure both of the outer rails' sleeves and riders to the rack with M5 screws, but don't lock the screws down too tightly (make sure the position of outer-rails can still be adjusted slightly).



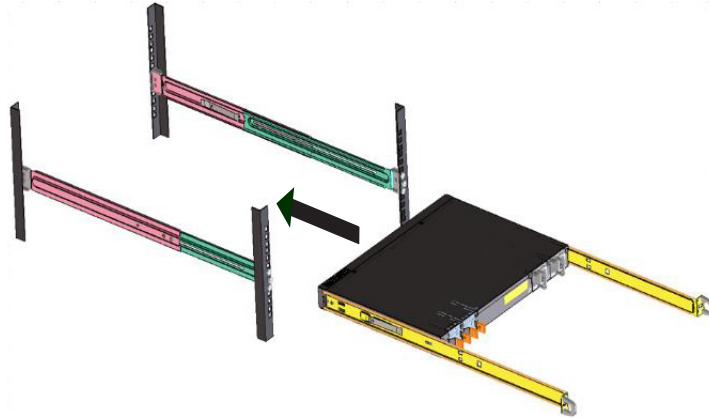
Installing the Switch into a Rack

Use this procedure to install the switch into a rack.

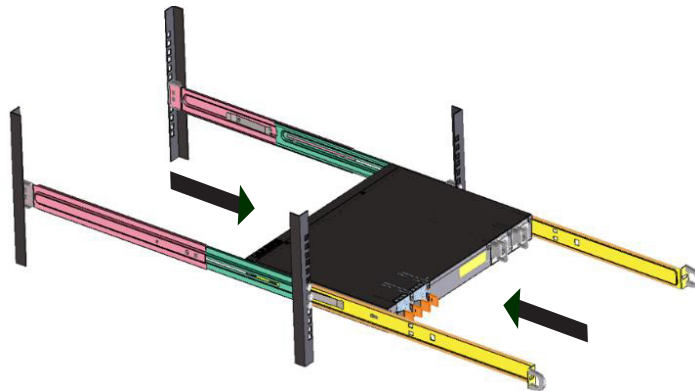
Warning: Mounting the system into the rack requires at least two people to support the chassis during installation. Please follow the safety recommendations printed on the rails.

Installing the Switch into a Rack

1. Test the fit of the switch in the rack by sliding the inner rails secured to the switch into the outer rails secured to the rack. Adjust as necessary.



2. Once adjustments are made, tighten and lock down all the M5 screws on the outer rail to the rack, and slide the switch in place.



3. Secure the inner rail to the rack with the M5 screws.

