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SUPERSTACK® II SWITCH MATRIX MODULE USER GUIDE

Introduction

With the SuperStack® II Switch Matrix Module (3C16960) installed into your SuperStack II Switch, you can connect up to four Switches over high speed links, in a single stack. This stack can then be managed as a single unit with one IP address.

The Matrix Module can be installed into the following models of SuperStack II Switches:

- SuperStack II Switch 1100
- SuperStack II Switch 3300

A stack can consist of any combination of Switch 1100 and Switch 3300 units.

You do not need a Matrix Module if you are connecting two Switches back-to-back. You can connect two units using the Matrix port located on the rear of the Switch and a SuperStack II Switch Matrix Cable.

You can find more information on stacking units in the user guide that accompanies your Switch.

Before Installation

Please read the following information before installing the Matrix Module.

***WARNING**: Installation and removal of the module must be carried out by qualified personnel only. Before installing the module into a unit, you must first disconnect the unit from the mains power supply. For full safety instructions, refer to the user guide that accompanies the unit.*

***AVERTISSEMENT:** Confiez l'installation et la dépose de ce module à un personnel qualifié. Avant d'installer ce module dans un groupe, vous devez au préalable débrancher ce groupe de l'alimentation secteur. Pour prendre connaissance des consignes complètes de sécurité, consultez le guide utilisateur qui accompagne ce groupe.*

***WARNHINWEIS:** Die Installation und der Ausbau des Moduls darf nur durch Fachpersonal erfolgen. Vor dem Installieren des Moduls in einem Gerät muß zuerst der Netzstecker des Geräts abgezogen werden. Vollständige Sicherheitsanweisungen sind dem Benutzerhandbuch des Geräts zu entnehmen.*

Handling the Matrix Module

The Matrix Module can be easily damaged by electrostatic discharge. To prevent damage, please observe the following:

- Do not remove the Matrix Module from its packaging until you are ready to install it.
- Do not touch any of the connectors or components on the Matrix Module.
- Handle the Matrix Module only by its edges and front panel.
- Always wear an anti-static wristband connected to a suitable earth point.
- Always transport or store the Module in appropriate anti-static packaging.

Installing the Module

We recommend that you install the Matrix Module into the unit that will be at the bottom of your stack.

1. Remove the blanking plate from the rear of the Switch. You should store it carefully for future use.
2. Hold the Matrix Module so that the text on the front panel reads correctly, and guide it into the slot ensuring it is located in the rails. See Figure 1.

   Ensure that the connector on the Matrix Module engages with the board inside the Switch. Press the Module fully into the Switch.
3. Tighten the two captive screws to secure the Matrix Module into the unit.

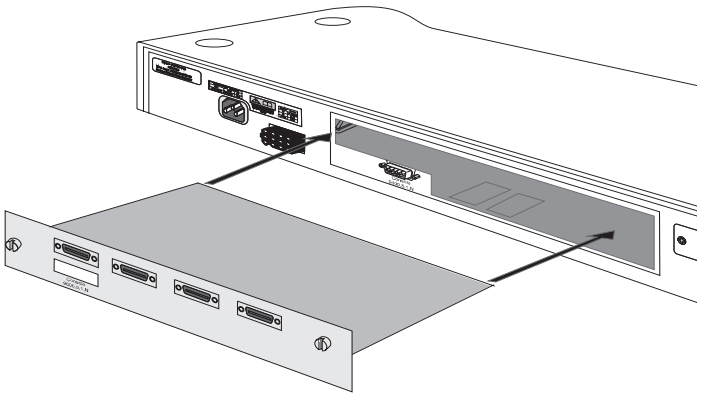


Figure 1 Inserting the Matrix Module into the Switch

Cabling

With the Matrix Module installed, you can connect up to four Switches in a stack. A typical configuration is shown in Figure 2.

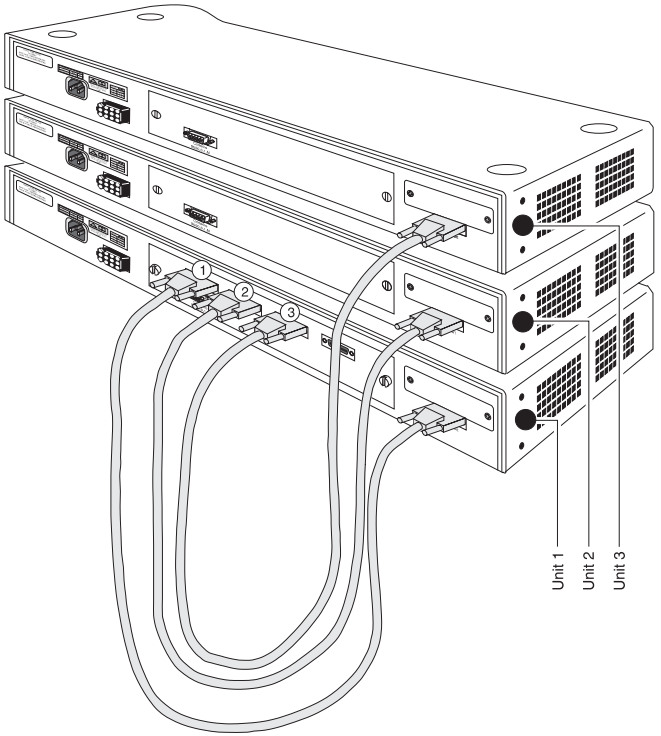


Figure 2 A typical stack of switches

You only need one Matrix Module for each stack.

The way in which units in the stack are numbered for management purposes is determined by the order of port connections to the Matrix Module. The units are numbered 1 to 4 from the bottom unit up.

1 Ensure that your Switches are correctly installed and that you have the correct number of Matrix Cables for your configuration. We recommend that the bottom unit in your stack is the one that contains the Matrix Module.

2 Working first with the Switch that contains the Matrix Module, attach a Matrix Cable to one of the ports on the Matrix Module. Connect the other end of that cable to the matrix port on the same unit. For your stack to operate as one unit, you must do this.

3 Connect each of the remaining cables between the ports on the Matrix Module and the matrix port on each unit.

4 Connect your power cord and power-up the stack.

Ordering Matrix Cables

Matrix Cables are available from your supplier:

Product Title	Part Number
SuperStack® II Switch Matrix Cable	3C16965

Technical Specification

Operating Temperature	0° to 50°C (32° to 122°F)
Storage Temperature	–10° to 70°C (14° to 158°F)
Operating Humidity	10 to 95% non-condensing
Power Consumption	(@ 5V DC) 800mA maximum (4W maximum)
Standards:	
Safety	UL 1950 EN60950 CSA22.2#950
EMC	
Emissions	EN55022 Class B, FCC Part 15 Subpart B Class A, ICES-003 Class A, AS/NZS 3548 Class B, VCCI Class B,
Immunity	EN50082-1
Environmental	EN60068 (IEC 68)

EMC Statements

FCC Statement: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference to radio communications, in which case the user will be required to correct the interference at their own expense.

CSA Statement: This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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