



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.

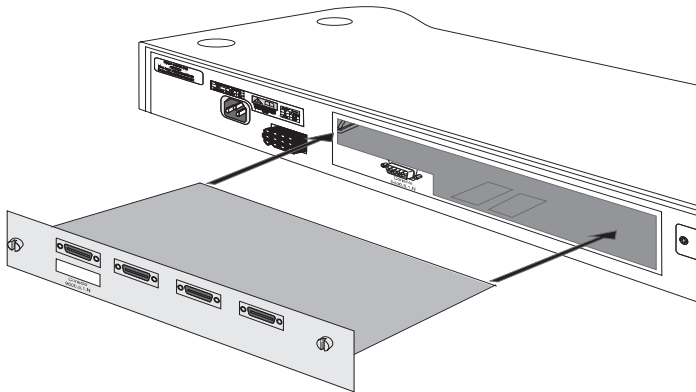


Figure 1 Inserting the Matrix Module into the Switch

Cabling

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

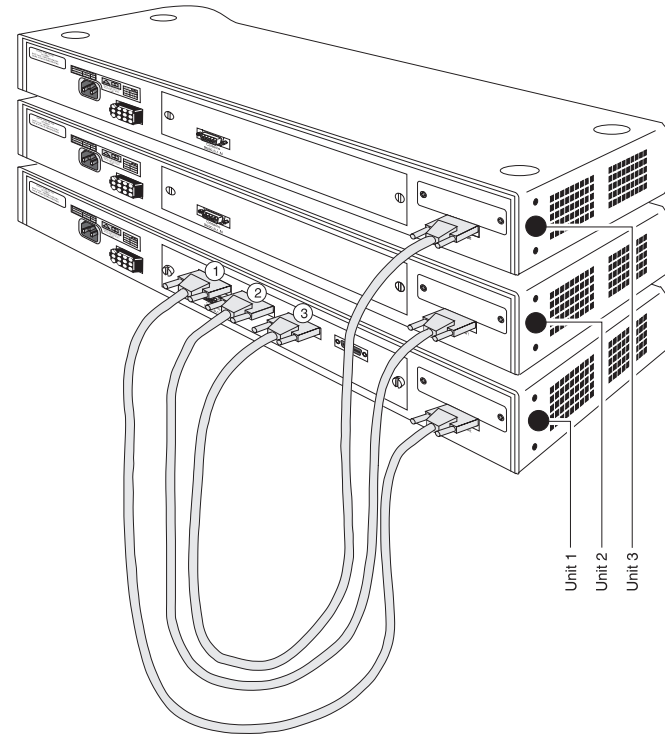


Figure 2 A typical stack of switches



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.

3Com Corporation Limited Warranty

Hardware: 3Com warrants its hardware products to be free from defects in workmanship and materials, under normal use and service, for the following lengths of time from the date of purchase from 3Com or its Authorized Reseller:

Network adapters	Lifetime
Other hardware products (unless otherwise specified in the warranty statement above)	1 year
Spare parts and spares kits	90 days

If a product does not operate as warranted above during the applicable warranty period, 3Com shall, at its option and expense, repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Com. Replacement products may be new or reconditioned. Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

3Com shall not be responsible for any software, firmware, information, or memory data of Customer contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

Software: 3Com warrants that the software programs licensed from it will perform in substantial conformance to the program specifications therefor for a period of ninety (90) days from the date of purchase from 3Com or its Authorized Reseller. 3Com warrants the media containing software against failure during the warranty period. No updates are provided. The sole obligation of 3Com with respect to this express warranty shall be (at the discretion of 3Com) to refund the purchase price paid by Customer for any defective software products, or to replace any defective media with software which substantially conforms to applicable 3Com published specifications. Customer assumes responsibility for the selection of the appropriate applications program and associated reference materials. 3Com makes no warranty or representation that its software products will work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. For any third-party products listed in the 3Com software product documentation or specifications as being compatible, 3Com will make reasonable efforts to provide compatibility, except where the noncompatibility is caused by a "bug" or defect in the third party's product.

Standard Warranty Service: Standard warranty service for *hardware* products may be obtained by delivering the defective product, accompanied by a copy of the dated proof of purchase, to the 3Com Corporate Service Center or to an Authorized 3Com Service Center during the applicable warranty period. Standard warranty service for *software* products may be obtained by telephoning the 3Com Corporate Service Center or an Authorized 3Com Service Center, within the warranty period. Products returned to the 3Com Corporate Service Center must be preauthorized by 3Com with a Return Material Authorization (RMA) number marked on the outside of the package, and sent prepaid, insured, and packaged appropriately for safe shipment. The repaired or replaced item will be shipped to

Customer, at the expense of 3Com, not later than thirty (30) days after receipt of the defective product by 3Com.

Warranties Exclusive: IF A 3COM PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT THE OPTION OF 3COM. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND SATISFACTORY QUALITY. 3COM NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, OR USE OF ITS PRODUCTS.

3COM SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

Limitation of Liability: TO THE FULL EXTENT ALLOWED BY LAW, 3COM ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF 3COM OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT THE OPTION OF 3COM. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers or the limitation for personal injury, so the above limitations and exclusions may be limited in their application to you. This warranty gives you specific legal rights which may vary depending on local law.

Governing Law: This Limited Warranty shall be governed by the laws of the State of California.

3Com Corporation, 5400 Bayfront Plaza, Santa Clara, CA 95052-8145 (408) 764-5000

© 3Com Technologies, 1997. All rights reserved.

3Com registered trademarks are registered in the United States, and may or may not be registered in other countries.

Part No. DUA1696-0AAA01
Published December 1997