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Part Number: DUA1607-4AAA01
Revision: 00
Issued: May, 1998
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Introduction

The SuperStack® II Advanced RPS Power Module Type 2 is designed to provide redundant power supplies, from the SuperStack II Advanced RPS chassis (3C16070 and 16071), to certain products in 3Com's SuperStack II range. The Type 2 Power Modules are different from the 3C16072 and 3C16073 products, and are not interchangeable with them. To connect the power module to the active units, use only the Type 2 cables supplied with this module or the special Type 2 'Y' cables available from your supplier.

This Type 2 Power Module is intended for use with the following products:

- SuperStack II Switch 3300 variants
- SuperStack II Switch 3900 variants
- SuperStack II Switch 9300
- SuperStack II Dual Speed Hub 500 variants
- SuperStack II Hub 100 variants (version C)
- SuperStack II Hub 1000

For more general information and warranty details for these products, please refer to SuperStack II Advanced RPS User Guide, part number DUA1607-0AAA0X.

The optional SuperStack II Advanced RPS Management Module provides management information to a Network Manager. Details of the management functions are in the Management Module user guide, part number DUA1608-0AAA0X.

This guide is written for the installation engineer and the network administrator who manages and maintains the network.

After installing the module, this guide should be stored with your other 3Com user guides.

Safety Information

L'Information de Sécurité

Sicherheitsinformationen

Please read the safety information in the Advanced RPS Chassis User Guide before installing the module.

Veillez lire les instructions de sécurité dans le manuel d'utilisation du chassis de l'Advanced RPS avant d'installer le module.

Lesen sie vor der Installation des Modules die Sicherheitsinformationen in der Advanced RPS Gebrachsanleitung.

Installing The Module

Power Module Usage

- You must not connect units with a total power requirement of more than 480 watts to any one chassis.
- Single Power Modules must be considered as supplying their rated power, that is 100 Watts.
- Each Power Module in the full redundancy configuration may be considered as supplying half its rated power.

The SuperStack II Advanced RPS Power Modules Type 2 may be hot-inserted into the chassis.



It is important that the Power Modules are cooled effectively. We strongly recommend installing the Power Modules as evenly as possible between the top and bottom slots.

- Take off the blanking plate by removing the fixing screw. Keep the blanking plate and screw in a safe place. You will need it, if you remove a module, to close the chassis to the ingress of dust and maintain the correct cooling airflow.
- Slide the remote end of module into the runners and push home firmly to connect to the backplane.
- Secure the module with the screws provided.

Connecting Cables

Connect the module output socket to the input of the unit to which you wish to provide an alternative power source using one of the special cables.



Use **only** a standard Type 2 cable (supplied with this module) to provide managed redundancy or a special Type 2 'Y' cable (3C16078 – available from your supplier) where full redundancy (resilience) is required. Details of how to use the Type 2 'Y' cables are given in the guide which accompanies the cables.



Use **only** Type 2 cables with Type 2 modules. Earlier cables are **not** suitable!

Technical Information

Mechanical

Weight 626 g (1.38 lb)

Size 279 x 87 mm (11 x 3.4 in)

Electrical - Maximum Current Available

+12 volts 1 ampere

+5 volts 15 amperes

+3.3 volts 25 amperes

Power Consumption

Typical Input Power: 167 watts

Total output power must not exceed 100 watts.

Chassis LEDs

LED	Function	State	Indication
Input OK - Green	Denotes presence of AC power.	ON	AC is connected to relevant input and is OK.
		OFF	AC is not connected to relevant input or there is an AC fault.
Output OK - Green	Power Module is operating.	ON	Power Module is supplying power to a SuperStack II unit.
		OFF	Power Module is not present or Power Module is not required to deliver power or Power Module is disabled by management.
Output Fault - Yellow	Power Module fault.	ON	Power Module is required to deliver power but cannot.
		OFF	Power Module should be OK.
Over-temp - Yellow	Temperature in Advanced RPS and fan state.	ON	Temperature is too high or fan has failed.
		OFF	Temperature is OK. Fan OK.

Power Supply And Fuses

All power is supplied and fused from the Advanced RPS chassis. There are no user-replaceable fuses on the Power Modules.

Trouble Shooting

If you have a problem, the paragraphs below offer some guidance for solving it. Check the status of the LEDs on the front panel of the chassis, as described adjacent to this paragraph and in the SuperStack II Advanced RPS User Guide, part number DUA1607-0AAA0X.

Observed Symptoms	Possible Fault
Mains present, No Input LED ON	1/ Ensure AC Cable is correctly connected.
	2/ Internal AC fault.
Power Module present, No Output LED ON	1/ DC Cable not connected.
	2/ SuperStack II unit not connected.
	3/ SuperStack II unit does not require RPS power.
	4/ SNMP management has disabled the Power Module.
Power Module present, Yellow LED ON	1/ Power Module connected to SuperStack II unit whose DC requirement exceeds the available DC output power.
	2/ Power Module's outputs are out of specification.
	3/ Power Module has failed.

Should you be unable to rectify the problem, consult your supplier with the following information:

- product number and power module serial number
- a brief description of the fault