

## Superseded Products

The following superseded products may be powered from the Advanced RPS. Again their usage is subject to the total power limitation of 480 watts.

### Superseded Products requiring a 60 watt Power Module

#### LinkBuilder Hubs

3C215A	Hub 100 Management Unit
3C250-TX	FMS 100 TX
3C16665	FMS II Fiber (also with 3C16630A or 3C16632 Management Module and 3C1206X Transceiver Module fitted)
3C16670	FMS II 12-port TP (also with 3C16630A or 3C16632 Management Module and 3C1206X Transceiver Module fitted)
3C16671	FMS II 24-port TP (also with 3C16630A or 3C16632 Management Module and 3C1206X Transceiver Module fitted)
3C16672	FMS II Telco (also with 3C16630A or 3C16632 Management Module and 3C1206X Transceiver Module fitted)
3C510510B	FMS TR 12-port
3C510511B	FMS TR 24-port

#### NetBuilder Routers

3C8200C	NetBuilder Remote Office 200
3C8201C	NetBuilder Remote Office 201
3C8221C	NetBuilder Remote Office 221
3C8222C	NetBuilder Remote Office 222
3C8223C	NetBuilder Remote Office 223
3C8224C	NetBuilder Remote Office 224
3C8227C	NetBuilder Remote Office 227
3C8228C	NetBuilder Remote Office 228
3C8323C	NetBuilder Remote Office 323
3C8327C	NetBuilder Remote Office 327
3C8421C	NetBuilder Remote Office 421
3C8422C	NetBuilder Remote Office 422
3C8423C	NetBuilder Remote Office 423
3C8424C	NetBuilder Remote Office 424
3C8427C	NetBuilder Remote Office 427
3C8523C	NetBuilder Remote Office 523
3C8527C	NetBuilder Remote Office 527

#### LinkSwitch

3C16900	LinkSwitch 1000 24-port (also with 3C1206x or 3C16920/2 modules fitted)
3C16901	LinkSwitch 1000 12-port (also with 3C1206x or 3C16920/2 modules fitted)
3C16940	LinkSwitch 3000 (also with 3C1206x or 3C16920/2 modules fitted)

3C16941	LinkSwitch 3000 TP (also with 3C16920/2 modules fitted)
3C32700A	Switch 2700 OC-3 Multimode ATM
3C32710A	Switch 2700 DS-3 ATM
3C32711A	Switch 2700 OC-3 Singlemode ATM

#### AccessBuilder

3C7204	AccessBuilder 2204
3C7208	AccessBuilder 2208

#### LinkConverter

3C8252A	LinkConverter II 252
3C8254A	LinkConverter II 254
3C8352A	LinkConverter II 352

### Superseded Product requiring a 100 watt Power Module

3C16900	LinkSwitch 1000 24-port with 3C16930 module fitted
3C16901	LinkSwitch 1000 12-port with 3C16930 module fitted
3C16940	LinkSwitch 3000 with 3C16930 module fitted
3C16941	LinkSwitch 3000 TP with 3C16930 module fitted
3C32700A	Switch 2700 OC-3 Multimode ATM
3C32710A	Switch 2700 DS-3 ATM
3C32711A	Switch 2700 OC-3 Singlemode ATM
3C220000A	LinkSwitch 2200

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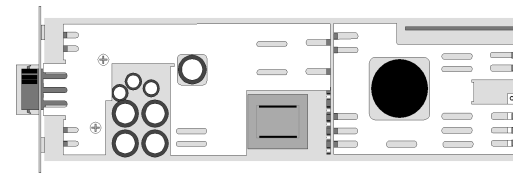
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# Super Stack II

## ADVANCED RPS POWER MODULES (3C16072 & 3C16073) USER GUIDE



### Introduction

The SuperStack™ II Advanced RPS Power Modules are designed to provide redundant power supplies, from the SuperStack II Advanced RPS chassis (3C16070/1), to the products in 3Com's SuperStack II range. There are two modules; a 60 watt capacity unit (3C16072) to supply most of the products and a 100 watt unit (3C16073) for those products with a higher power requirement. To connect the power module to the active units, use only the cables supplied with this module or the special 'Y' cables available from your supplier.

**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.

### 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 Gebrachsanweisung.**

### 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.

### 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.
- Each Power Module in the full redundancy configuration may be considered as supplying half its rated power.

The SuperStack II Advanced RPS Power Modules 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.

Details of the permissible combinations of modules and 3Com products are given later in this user guide.

#### 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 a standard cable (supplied with this module) to provide managed redundancy or a special 'Y' cable (available from your supplier) where full redundancy (resilience) is required. Details of how to use the 'Y' cables are given on the guide which accompanies the cables.

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



*If the product you are connecting to the Power Module does not have the auto-enable feature (see SuperStack II Advanced RPS User Guide, part number DUA1607-0AAA0X), ensure the mains cable is removed from it before attempting to connect it to the Advanced RPS.*

## Technical Information

### Mechanical

Weight	550 g (1.21 lb)
Size	272 x 87 mm (10.7 x 3.4 in)

### Electrical - Maximum Current Available

	3C16072	3C16073
+12.6 volts	2.5 amperes	2.5 amperes
- 12 volts	1 ampere	1 ampere
+5 volts	8.5 amperes	15 amperes

### Power Consumption

#### 60W Power Supply Module

Typical Input Power:	100 watts
Total output power must not exceed 60 watts.	

#### 100W Power Supply Module

Typical Input Power:	167 watts
Total output power must not exceed 100 watts.	

### 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

## LEDs

### LED Function State Indication

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

### Power Module Requirements

The tables below detail the Power Modules needed to provide sufficient power to the different SuperStack II units. Products marked \* have the auto-enable feature (see **SuperStack II Advanced RPS User Guide**, part number DUA1607-0AAA0X).

The details are, we believe, correct at the time of printing this manual, but may change. If you are in doubt, consult the product user guide or your supplier for the latest information.

### SuperStack II Products requiring a 60 Watt Power Module (numerical order)

3C215A	Hub 100 Management Unit
3C250-T4	Hub 100 T4 (also with 3C252 or 3C262 Module fitted)
3C250A-TX/1	Hub 100 TX (also with 3C252 or 3C262 Module fitted)
*3C7204A	AccessBuilder 2204
*3C7208A	AccessBuilder 2208
3C8200C	NetBuilder 200
3C8201C	NetBuilder 201
3C8221C	NetBuilder 221
3C8222C	NetBuilder 222
3C8223C	NetBuilder 223
3C8224C	NetBuilder 224
3C8227C	NetBuilder 227

3C8228C	NetBuilder 228
3C8252A	LinkConverter II 252
3C8254A	LinkConverter II 254
3C8323C	NetBuilder 323
3C8327C	NetBuilder 327
3C8352A	LinkConverter II 352
3C8354A	LinkConverter II 354
3C8421C	NetBuilder 421
3C8422C	NetBuilder 422
3C8423C	NetBuilder 423
3C8424C	NetBuilder 424
3C8427C	NetBuilder 427
3C8523C	NetBuilder 523
3C8527C	NetBuilder 527
*3C16405	PS Hub 40 12-port (also with a valid combination of 3C1206X Transceiver Modules or 3C16060 Bridge MicroModules fitted)
*3C16406	PS Hub 40 24-port (also with a valid combination of 3C1206X Transceiver Modules or 3C16060 Bridge MicroModules fitted)
3C16665A	Hub 10 Fiber (also with 3C16630A or 3C1206X Management Module and 3C1206X Transceiver Module fitted)
3C16670A	Hub 10 12-port (also with 3C16630A or 3C16632 Management Module and 3C1206X Transceiver Module fitted)
3C16671A	Hub 10 24-port (also with 3C16630A or 3C16632 Management Module and 3C1206X Transceiver Module fitted)
3C16672A	Hub 10 Telco (also with 3C16630A or 3C16632 Management Module and 3C1206X Transceiver Module fitted)
3C16900A	Switch 1000 24-port (also with 3C1206x or 3C16920/2 modules fitted)
3C16901A	Switch 1000 12-port (also with 3C1206x or 3C16920/2 modules fitted)
*3C16902	Desk Top Switch (also with 3C1206x or 3C16920/2 modules fitted)
3C16940A	Switch 3000 FX (also with 3C1206x or 3C16920/2 modules fitted)
3C16941A	Switch 3000 TX (also with 3C16920/2 modules fitted)
3C32700A	Switch 2700 OC-3 Multimode ATM
3C32710A	Switch 2700 DS-3 ATM
3C32711A	Switch 2700 OC-3 Singlemode ATM
3C510510B	Hub TR 12-port (also with mixes of 3C51050X RI/RO Modules and 3C510502 or 3C510505 RMON Modules fitted)

3C510511B	Hub TR 24-port (also with mixes of 3C51050X RI/RO Modules and 3C510502 or 3C510505 RMON Modules fitted)
3C510600	Switch 2000
3C94103R-CSIX	Open Partner Boundary Router 1
3C94103R-CSD	Open Partner Boundary Router 2
3C94103R-CSDI	Open Partner Boundary Router 3
3C94103R-CSE	Open Partner Boundary Router 4
3C94117C-XS	Open Partner Comms Server 16-port
3C94133C-XS	Open Partner Comms Server 32-port
3C94101M-SDEK	Open Partner Single Slot SS II Access
3C220000A	Switch 2200 without modules

### Superstack II Products requiring a 100 Watt Power Module (numerical order)

3C16900A	Switch 1000 24-port fitted with 3C16930 module
3C16901A	Switch 1000 12-port fitted with 3C16930 module
*3C16902	Desk Top Switch fitted with 3C16930 module
3C16940A	Switch 3000 FX fitted with 3C16930 module
3C16941A	Switch 3000 TX fitted with 3C16930 module
*3C16942	Switch 3000 TX 12-port (also with 3C16920/2 or 3C16930 modules fitted)
3C220000A	Switch 2200 with modules

### SuperStack II Products NOT supported by the Advanced RPS

3C81600	Enterprise Manager (including various RMON Probes)
3C8930A	DC Voltage Converter 3-port
3C8960A	DC Voltage Converter 6-port
3C16010/1/2	UPS
3C565047A	RPS