



DATA SHEET

3Com® SuperStack® 3 Advanced Redundant Power System

The 3Com® SuperStack® 3 Advanced Redundant Power System provides crucial protection for SuperStack components, helping ensure that businesses experience no loss of data or connectivity during power interruptions or failures. This modular system incorporates eight slots that accept one of two varieties of hot-swappable power modules, each capable of supporting one SuperStack device.

For extra protection, two modules can be connected using a Y-cable to create a

completely redundant system powering a single SuperStack device. If one module fails, the second takes over without disrupting other devices.

Modules can be installed together in various combinations within a single SuperStack 3 Advanced Redundant Power System chassis, depending on the power consumption of SuperStack 3 components being protected. The chassis can support up to four Type 2A 100W modules, or two Type 3 325W modules.

The SuperStack 3 Advanced Redundant Power System provides redundant power supplies for all SuperStack units, ensuring high availability.

Feature	Benefits
High availability	Redundant power supplies, with hot-swappable power modules provide high availability operation.
Modular, hot-swappable solution	Provides extra assurance that the network will remain operational during power interruptions and failures.
Complete redundancy	Two ARPS modules can be connected using a Y-cable, providing total resilience.
Dual phase mains power	Additional resilience can be achieved by using mains from different phase supplies or by using an uninterruptible power system (UPS) input as a back up to the primary mains input.
Reliable back-up	The SuperStack 3 Advanced Redundant Power System helps ensure reliable network operation even in the unlikely event of a power supply failure.

Features and Benefits, continued

Feature	Benefits
Industry-leading solution	3Com back-up products are recommended by leading UPS vendors, including the American Power Conversion Corporation.
Flexible system	Provides the flexibility of freestanding or rack-mountable operation in a standard wiring closet rack.
Management	The advanced RPS management module provides network management of the Advanced RPS through monitoring and control. Supports 3Com® Network Supervisor management software, and other SNMP management tools.

SuperStack Advanced Redundancy Power System Power Module Compatibility Table

Use the following table to select the SuperStack Advanced Redundant Power System power module that supports your SuperStack 3 components.

Product	Modular Type	Power
SuperStack 3 Switch 4900, 4900 SX, 4924, 4950	Type 3	325W
SuperStack 3 Switch 4400 24- and 48-port, 4400 FX, 4400 SE 24-port	Type 2A	100 W
SuperStack 3 Switch 4400 PWR	Type 3	325W
SuperStack 3 Switch 4226T, 4228G, 4250T	Type 2A	100 W
SuperStack 3 Switch 3870 24- and 48-port	Type 3	325W
SuperStack 3 Switch 3848	Type 3	325W
SuperStack 3 Switch 3226 and 3250	Type 3	325W
SuperStack 3 Switch 3300 12- and 24-port	Type 2A	100 W

The SuperStack 3 Advanced Redundant Power System can support any combination of the above modules, up to its rated maximum power of 480 Watts. An exception can be made in the case of the Type 3 module, whereby two of these modules can be installed into a single chassis.

When there is a switch unit power supply failure and a single ARPS chassis and related modules are utilized, the switch unit will experience a typical 5-20 second delay before normal operation is resumed. For completely uninterrupted operation, two ARPS chassis and modules must be used in conjunction with a Y-cable, and the switch unit be powered entirely from two ARPS Chassis. With this configuration, no reset period will be experienced should an ARPS Chassis or mains supply fail.

Specifications

Physical Dimensions

Chassis (empty)

Weight: 18.7 lb (8.5 kg)
 Height: 2U
 Width: 17.3 in (440 mm)
 Depth: 14.5 in (370 mm)

(each module inserted adds 1.2 lb, or 550 g)

Environmental

EN 60068 to 3Com Schedule
 Operating temperature: 0° to 50°C (32° to 122°F)

Power

Chassis (with no power module)

Input voltage range: 85 to 264V RMS
 Input frequency: 47 to 63Hz
 Power consumption: 7 to 10W

Type 2A Module

Typical Input Power : 167W
 Maximum Output Power
 +12 volts, 1A
 +5 volts, 15A
 +3. 3 volts, 25A

Total continuous output: 100W max

Type 3 Module

Typical Input Power : 395W
 Maximum Output Power
 +27.0 volts, 12.5A
 Total continuous output: 325W max

Regulatory Compliance

Safety

UL1950, EN 60950, CSA 22.2 No. 950-M93

EMC

CSA C108.8 - M1983 Class A
 FCC Part 15 Class A
 VCCI Class 2
 EN55022, 1995 Class B
 EN61000-3-2, 1995
 EN500082-2, 1995
 EN61000-4-5

Hardware Warranty

Limited Lifetime warranty. See
www.3com.com/warranty for details.

Ordering Information

SuperStack 3 Advanced Redundant Power System (includes chassis and rack mount kit)	3C16071B
SuperStack Advanced Redundant Power System 100W Power Module Type 2A	3C16074A
SuperStack Advanced Redundant Power System 325W Power Module Type 3	3C16075

SuperStack Advanced Redundant Power System Y-Cable Type 2A	3C16078
SuperStack Advanced Redundant Power System Y-Cable Type 3	3C16077
SuperStack Advanced Redundant Power System Management Module	3C16080



3Com Corporation, Corporate Headquarters 350 Campus Drive, Marlborough, MA 01752-3064

To learn more about 3Com solutions, visit www.3com.com. 3Com Corporation is publicly traded on NASDAQ under the symbol COMS.

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