



DATA SHEET

3Com® SuperStack® 3 Switch 4400 PWR In-line Power over Ethernet Switch

Key Benefits

Providing Power and Data over a Single Cable

Power over Ethernet

Power over Ethernet simplifies installation of networking devices such as IP phones, wireless access points and 3Com® IntelliJack™ Switches and Network Jacks. Eliminates the cost for additional electrical cabling and cuts total installation time significantly.

In-Line (End-Span) Integration

Power and data switching are totally integrated into one unit, saving rack space, excess cabling and the need for multiple backup systems.

Centralized Power Management

Configure and monitor power for networking equipment from a single secure location. Enable, disable, limit, and monitor on a per-port basis. Receive alarms if a powered device develops a fault. Guarantee power to mission critical devices.

Centralized Power Backup Protection

All powered devices on the network can be backed up via a 3Com SuperStack® Advanced Redundant Power System. Data and power will continue with no disruption to the network, even in the event of a complete internal power failure.

3Com has combined the standards-based Power over Ethernet technology (IEEE 802.3af) with the advanced features, simplicity and style of the SuperStack 3 Switch 4400 series to create the 24-port SuperStack 3 Switch 4400 PWR.

The highly compact, stackable 1-RU design provides power and data over a single cable to any compliant device,

Standards-based Power over Ethernet

The product is compliant to the IEEE 802.3af specification. Customers are not tied to a single vendor for network-powered equipment.

Automatic 3Com NBX® Phone Detection and Configuration

3Com NBX phones are automatically powered and given high priority so as to maintain optimum voice quality.

Power Metering

Power meters show peak, minimum, and average power consumption to help administrators budget and check on faulty equipment.

Enhanced Switch 4400 Capabilities

The capabilities of 3Com's most feature-rich switch family mean the SuperStack 3 Switch 4400 PWR can help satisfy the most demanding switch requirements. Stack with the SuperStack 3 Switch 4400 24- and 48-port switches, and make use of Switch 4400 Gigabit and stacking modules for easy integration into your existing network.

including 3Com NBX phones, wireless LAN access points, and Network Jack products.

Power over Ethernet eliminates the cost for additional electrical cabling and cuts the total installation time and cost significantly, helping to reduce the total cost of ownership, especially when paired with networked telephony solutions.

The switch supports all Switch 4400 enhanced capabilities, such as traffic classification and prioritization, and IEEE 802.1X network log-in security.

Mix-and-match in stacks with any other enhanced SuperStack 3 Switch 4400 device, up to 192 10/100 ports per stack. Use Switch 4400 modules for Gigabit uplinks and stacking.

Specifications

Connectors

24 auto-negotiating In-Line Power 10BASE-T /100BASE-TX ports configured as Auto MDI/MDIX

2 module slots accommodating media modules or stacking modules

All fiber module connectors are MT-RJ

Advanced Redundant Power System Type 3 connector

RS232 console port

Security

Radius (RFC 2865, RFC 2869)

Session accounting (RFC 2866)

DUD – Device Unauthorized Disconnect

Stacking

Up to 192 10/100 front panel ports

Mix and match Switch 4400 24-port (3C17203), 4400 48-port (3C17204), 4400 PWR (3C17205), and 4400 FX (3C17210)

Traffic Management

Four priority queues per port IEEE 802.1p CoS

DiffServ

Application/protocol blocking

Performance

8.8 Gbps forwarding bandwidth
6.6 million packets per second
Wirespeed performance
8,000 MAC addresses supported

Reliability

MTBF @ 40°C: 233,451 hours

Dimensions

Height: 43.6 mm (1.7 in or 1U)

Width: 440 mm (17.3 in)

Depth: 304 mm (12.0 in)

Weight: 4.6 kg (10.1 lb)

Environmental Requirements

Operating temperature:
0° to 40°C (32° to 104°F)

Storage Temperature:
-20° to +70°C (-4° to +158°F)

Operating Humidity:
10% to 90% relative humidity
noncondensing

Standards: EN60068 (IEC68)

Safety Agency Certifications

UL60950, EN60950, CSA22.2
No. 60950, IEC 60950

Emissions

CISPR 22 Class A, EN55022
Class A, FCC Part 15 Subpart B
Class A, ICES-003 Class A,
AS/NZS 3548 Class A, VCCI
Class A, CNS 13438 Class A,
EN61000-3-2, EN61000-3-3

Immunity: EN55024

Heat Dissipation:
275 W maximum
(938 BTU/hr maximum)

Power Supply

AC Line Frequency 50/60 Hz

Input Voltage 90-240 VAC

Current Rating:
2.3A maximum

SNMP Standards

SNMP Protocol (RFC 1157)

MIB-II (RFC 1213)

Bridge MIB (RFC 1493)

RMON MIB II (RFC 2021)

Remote Monitoring MIB
(RFC 1757)

Interface MIB (2233)

MAU MIB (RFC 2668)

PoE MIB (3FC 484)

Hardware Warranty

Limited Lifetime hardware warranty. Includes fan and power supply. See www.3com.com/warranty for details.

Management

Trial copy of 3Com Network Supervisor provided on accompanying CD

Web interface management

Command line interface management

SNMP compatibility

Ordering Information

3Com SuperStack 3 Switch 4400 PWR 3C17205

Optional Modules and Accessories

3Com SuperStack 3 Switch 4400 1000BASE-T Module 3C17220

3Com SuperStack 3 Switch 4400 1000BASE-SX Module 3C17221

3Com SuperStack 3 Switch 4400 100BASE-FX Module 3C17222

3Com SuperStack 3 Switch 4400 1000BASE-LX Module 3C17223

3Com NBX VOIP Phone Module 3CNJVOIPMOD-NBX

3Com Network Jack to 48-Volt VoIP Phone Power Module 3CNJVOIP-CPOD

Optional Modules and Accessories, continued

3Com SuperStack 3 Switch 4400 Stacking Kit 3C17227

(Two stacking modules and cable to stack two Switch 4400s—see stacking specifications above for restrictions)

3Com SuperStack 3 Switch 4400 Stack Extender Kit 3C17228

(One stacking module, one cascade module and one cable for adding more Switch 4400s to an existing Switch 4400 stack—see stacking specifications above for restrictions)

3Com SuperStack 3 Advanced Redundant Power System 3C16071B

3Com SuperStack 3 Advanced RPS Type 3 module 3C16075

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