



## DATA SHEET

# 3Com® SuperStack® 3 Switch 4200 Family

## Key Benefits

Fixed configuration  
10/100/1000  
switches offering  
unbeatable  
performance and  
value

### Affordability

New generation Layer 2 10/100 LAN switching solution delivers versatile wirespeed performance in an affordable, flexible package.

### Flexibility

Built-in copper Gigabit and GBIC ports provide easy connection to all Gigabit media for added flexibility and stacking.

### Resiliency

Supports Rapid Spanning Tree Protocol, Link Aggregation (for Gigabit ports), and redundant power for non-stop operation.

### Performance

Forwarding rates up to 6.6 million pps (3Com® SuperStack® 3 Switch 4226T), 9.5 million pps (3Com® SuperStack® 3 Switch 4228G) or 10.1 million pps (SuperStack 3 Switch 4250T).

The new generation SuperStack 3 Switch 4200 family offers fixed configuration 10/100 LAN switches for networks requiring industry-leading switching technology. It combines high performance with comprehensive functionality and plug-and-play installation—all at a reasonable price.

The SuperStack 3 Switch 4200 family delivers standard Layer 2 10/100 features as well as wirespeed performance and built-in stacking capability. These switches operate straight out of the box, allowing users to be easily added to the network in minutes.

### Easy Management

3Com® Network Supervisor configures, maps, and monitors the system and provides custom alerts and reports.

### Plug-and-play Configuration

Automatic IP assignment and cable detection as well as auto-negotiation gets the SuperStack 3 Switch 4200 up and running quickly for easy out-of-the-box operation.

### Scalable

Up to four switches can be stacked and managed as one unit with a single IP address. No added hardware required to stack units.

### Limited Lifetime Hardware Warranty

Includes fan and power supply; ensures peace of mind. See [www.3com.com/warranty](http://www.3com.com/warranty) for details.

Choose from 26-, 28-, or 50-port 10/100 models—each comes with two, built-in copper Gigabit ports for downlinks or stacking. In addition, the 28-port model comes with two built-in GBIC ports, supporting all Gigabit media.

The family supports advanced resiliency features such as Rapid Spanning Tree Protocol, Link Aggregation (for Gigabit ports), and redundant power.

## Specifications

All information in this section is relevant to all versions of the SuperStack 3 Switch 4200 unless stated otherwise.

### Connectors

**SuperStack 3 Switch 4226T:**  
24 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto MDI/MDIX

Two auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T ports configured as auto MDI/MDIX

**SuperStack 3 Switch 4250T:**  
48 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto MDI/MDIX

Two auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T ports configured as auto MDI/MDIX

**SuperStack 3 Switch 4228G:**  
24 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto MDI/MDIX

Two auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T ports configured as auto MDI/MDIX

Two GBIC ports accommodating 1000BASE-SX, 1000BASE-LX, 1000BASE-T or 1000BASE-LH70 GBICs

**All these switches have:**  
Advanced Redundant Power System Type 2A connector  
RS232 console port

### Stacking

Up to four units high  
Mix and match SuperStack 3 Switch 4226T (3C17300), Switch 4250T (3C17302) and Switch 4228G (3C17304)

### Traffic Management

Two priority queues per port  
IEEE 802.1p CoS  
DiffServ

### Performance

**SuperStack 3 Switch 4226T:**  
8.8 Gbps switching capacity  
6.6 million packets per second  
Wirespeed performance  
8,000 MAC addresses supported

**SuperStack 3 Switch 4228G:**  
12.8 Gbps switching capacity  
9.5 million packets per second  
Wirespeed performance  
8,000 MAC addresses supported

**SuperStack 3 Switch 4250T:**  
13.6 Gbps switching capacity  
10.1 million packets per second  
Wirespeed performance  
8,000 MAC addresses supported

### Reliability

**SuperStack 3 Switch 4226T:**  
MTBF @ 40°C: 465,570 hours  
**SuperStack 3 Switch 4250T:**  
MTBF @ 40°C: 325,797 hours

**SuperStack 3 Switch 4228G:**  
MTBF @ 40°C: 328,618 hours

### Dimensions

Height: 43.6 mm (1.7 in or 1U)  
Width: 440 mm (17.3 in)  
Depth: 274 mm (10.8 in)

Weight:  
**SuperStack 3 Switch 4226T:**  
2.4 kg (5.3 lb)  
**SuperStack 3 Switch 4250T:**  
2.8 kg (6.2 lb)  
**SuperStack 3 Switch 4228G:**  
2.4 kg (5.3 lb)

### Environmental Requirements

Operating temperature:  
0° to 40°C (32° to 104°F)  
Storage Temperature:  
-40° to +70°C (-40° to +158°F)  
Operating Humidity:  
10% to 90% relative humidity  
noncondensing  
Standards: EN60068 (IEC68)

### Safety Agency Certifications

UL90950, EN60950, CSA2.2 No. 60950, IEC 60950

### Emissions

EN55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, AS/NZS 3548 Class A, CNS 13438 Class A  
Immunity: EN55024

Heat Dissipation:  
**SuperStack 3 Switch 4226T:**  
40 W maximum  
(136 BTU/hr maximum)  
**SuperStack 3 Switch 4250T and Switch 4228G:**  
60 W maximum  
(205 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 (RFC2021)  
Remote Monitoring MIB (RFC 1757)  
Interface MIB (2233)  
MAU MIB (RFC 2668)

### Management

3Com Network Supervisor (trial copy provided on accompanying CD)  
Web interface management  
Command line interface management  
SNMP compatibility

## Ordering Information

3Com SuperStack 3 Switch 4226T 26-port <i>24-port 10/100 plus two 10/100/1000 ports</i>	3C17300
3Com SuperStack 3 Switch 4250T 50-port <i>48-port 10/100 plus two 10/100/1000 ports</i>	3C17302
3Com SuperStack 3 Switch 4228G 28-port <i>24-port 10/100 plus two 10/100/1000 ports and two GBIC ports (GBICs sold separately)</i>	3C17304

### Software

SuperStack 3 Switch 4200 Family v2.0 Advanced Software	3C17303
<i>For units running earlier versions to upgrade to version 2.0 features</i>	

### GBICs

3Com SX GBIC	3CGBIC91
3Com LX GBIC	3CGBIC92
3Com 1000BASE-T GBIC	3CGBIC93
3Com LH70 (70km) GBIC	3CGBIC97

### Optional Modules and Accessories

3Com SuperStack 3 Advanced Redundant Power System	3C16071B
3Com SuperStack 3 Advanced RPS Type 2A module	3C16074A



3Com Corporation, Corporate Headquarters, 5400 Bayfront Plaza, P.O. Box 58145, Santa Clara, CA 95052-8145

To learn more about 3Com solutions, visit [www.3com.com](http://www.3com.com). 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

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