



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 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



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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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