



## DATA SHEET

# 3Com® SuperStack® 3 Switch 4924 and SuperStack 3 Switch 4950

## Key Benefits

### Performance

Non-blocking gigabit switching performance delivers a forwarding rate of more than 41 million packets per second across all ports, minimizing network congestion.

### Feature-Rich Network Control

Layer 2 switching functionality such as multicast filtering, virtual LANs, link aggregation, and RMON supports demanding business applications.

### High Availability

Robust availability features include link aggregation, support for Rapid Spanning Tree, Redundant Power Supply system, and e-mail or pager status notification, ensuring maximum uptime for critical applications.

### Flexibility

The 3Com® SuperStack® 3 Switch 4950 provides support for all gigabit media, including 1000BASE-T, 1000BASE-SX, 1000BASE-LX or 1000BASE-LH70 (long haul Gigabit Ethernet), in the same high-performance platform, for smooth integration with many network configurations and network topologies.

### Layer 3 Switching

Support for wire-speed Layer 3 switching capabilities will enhance performance, provide network control and security, and enable logical segmentation of networks based on VLANs.

### Prioritize Business Critical Traffic

Advanced Class of Service support including support for four queues per port, 802.1p, and multilayer packet classification capabilities to allow prioritization of critical traffic.

### Value

Affordable price-per-port enables cost-effective deployment of high performance Gigabit switching at the server farm, wiring closet or the network backbone.

### Scalability

Support for up to 28 switched Gigabit ports per switch protecting network investment as the demand for higher Gigabit port density increases.

### Transparent Webcache Redirection

Web traffic can be redirected automatically to a 3Com SuperStack 3 Webcache device, improving web performance and easing network administration.

### Powerful Management

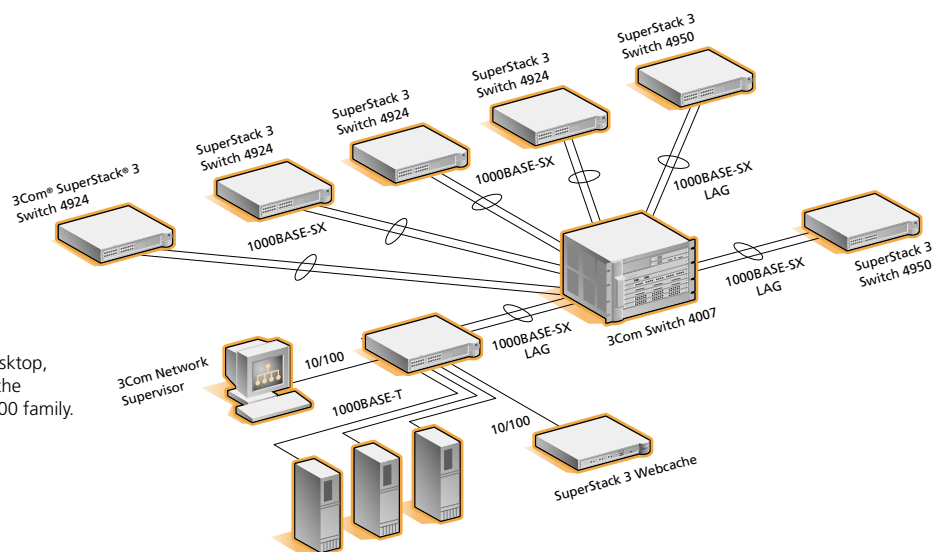
3Com Network Supervisor application is included with discovery, mapping, monitoring, and alerting for easy network administration. Intuitive interface speeds network-wide set-up of switch traffic prioritization.

### Lifetime Limited Warranty

Ensures peace of mind. Lifetime warranty includes fans and power supplies.



Future proofing using end-to-end Gigabit connectivity from the backbone to the desktop, for bandwidth intensive networks, using the Switch 4007 and SuperStack 3 Switch 4900 family.



### Flexible, High-Performance Switching for the Data Center or Desktop

The 3Com SuperStack 3 Switch 4924 and SuperStack 3 Switch 4950 are flexible, high-performance switches that alleviate performance bottlenecks across enterprise networks.

The SuperStack 3 Switch 4924 provides 24 fixed 10/100/1000 Copper ports in a feature rich, compact and affordable switching platform—ideal for a large server farm, desktop power users, or for aggregating 10/100 switches like the SuperStack 3 Switch 4400 in enterprise wiring closets.

The SuperStack 3 Switch 4924 is also ideal for desktop connectivity for users of bandwidth intensive applications such as engineering and scientific modelling, architectural drafting and CAD/CAM applications. The 10/100/1000 auto-sensing ports in the SuperStack 3 Switch 4924 provide easy migration from 10/100 Ethernet to Gigabit speeds, at a competitive price. So it's easy to future proof your network and leverage your existing Category 5 copper cabling while enjoying a ten-fold boost in performance.

The SuperStack 3 Switch 4950 delivers 24 wire speed fixed Gigabit ports in combination of 10/100/1000, 1000BASE-SX and GBIC. The media flexibility offered by the integrated GBIC ports, allows you to deploy additional Gigabit media such as 1000BASE-SX, 1000BASE-LX and 1000BASE-LH70 in the same platform. This flexibility makes the Switch 4950 an ideal data centre or building backbone aggregator for enterprise networks.

Both switches support advanced Layer 2 switching features such as traffic prioritization, VLANs, multi-cast filtering, and RMON, as well as Layer 3 switching features, including support for unicast IP routing and Access Control Lists. Their Class of Service capabilities are ideal for key business applications, such as multimedia, LAN telephony, database and inventory/purchase applications.

The SuperStack 3 Switch 4924 and Switch 4950 are part of 3Com's complete end-to-end Gigabit Ethernet solution set across all Gigabit media, delivering high performance at an affordable price.

## Specifications

All information in this section is relevant to both the SuperStack 3 Switch 4950 and Switch 4924 unless stated otherwise.

### 3Com SuperStack 3 Switch 4950 Connectors

12 autosensing 10/100/1000 ports, 6 fixed 1000BASE-SX ports (MT-RJ), 6 GBIC ports accommodating 1000BASE-SX, 1000BASE-LX GBICs or 1000BASE-LH70 GBICs

1 module slot accommodating Switch 4900 family expansion modules

Advanced Redundant Power System Type 3 connector

### 3Com SuperStack 3 Switch 4924 Connectors

24 fixed autosensing 10/100/1000 ports

1 module slot accommodating Switch 4900 family expansion modules

Advanced Redundant Power System Type 3 connector

### Dimensions

Height: 6.6 cm (2.6 in)  
Width: 44 cm (17.3 in)  
Depth: 41 cm (16.3 in)  
Weight:  
*Switch 4924:* 6.3 kg (13.9 lb)  
*Switch 4950:* 6.7 kg (14.8 lb)

### Performance

41.6 million packets per second

### Reliability

MTBF @ 40°C: 326,000 hours

### 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 non-condensing  
Standards: EN60068 (IEC68)

### Safety Agency Certifications

UL60950, EN60950, CSA22.2 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:

*Switch 4924:* 254 W maximum (870 BTU/hr maximum)  
*Switch 4950:* 200 W maximum (683 BTU/hr maximum)

### Power Supply

AC Line Frequency 50/60 Hz

Input Voltage Options 90-240 VAC

Current Rating 4.5A maximum

### Switching

#### Features/Functionality

802.1D  
802.1Q VLAN Support  
IGMP Snooping  
Link Aggregation

### 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)

### Administration

UDP (RFC 768)  
IP (RFC 791)  
ICMP (RFC 792)  
TCP (RFC 793)  
ARP (RFC 826)  
TFTP (RFC 783)  
TELNET (RFC854)  
BOOTP/DHCP (RFC1542)  
HTTP (RFC2068)

### Routing Protocols

RFC 1058 RIP  
RFC 1519 CIDR  
RFC 1723 RIP v2  
RFC 2131 BootP/DHCP Relay

### Warranty and Non-Warranty Services

Limited Lifetime Warranty, for as long as the original Customer owns the product, or five years after product discontinuance, whichever occurs first. Includes fan and power supply.

After registering the product online, other free support services such as telephone support, fast hardware replacement, and software updates may also be available, depending on regional availability and retailer participation.

### Management

3Com Network Supervisor provided free of charge on accompanying CD  
Web interface  
Command line interface management  
SNMP compatibility

## Ordering Information

3Com SuperStack 3 Switch 4924	3C17701	3Com SuperStack 3 Switch 4900	
3Com SuperStack 3 Switch 4950	3C17706	4-Port GBIC Module	3C17714
<b>Optional Modules and Accessories</b>		3Com 1000BASE-SX GBIC	3CGBIC91
3Com SuperStack 3 Switch 4900		3Com 1000BASE-LX GBIC	3CGBIC92
1000BASE-SX Module	3C17710	3Com 1000BASE-LH70 GBIC	
3Com SuperStack 3 Switch 4900		(up to 70km)	3CGBIC97
1000BASE-T Module	3C17711	3Com SuperStack Advanced	
3Com SuperStack 3 Switch 4900		Redundant Power System Chassis	3C16071B
4-port 1000BASE-LX module	3C17712	3Com SuperStack Advanced	
		Redundant Power System Type 3 325W	3C16075

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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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