

**Premium stackable
10/100 switches deliver
maximum security,
convergence features
and intelligence
required by the most
demanding advanced
enterprise networks**

OVERVIEW

The 3Com® Switch 5500 10/100 Family delivers premium levels of performance, security and reliability for robust switching at the enterprise network edge. The family consists of Layer 2/3/4 Fast Ethernet and Power over Ethernet switches, with advanced features that can accommodate the most demanding applications, offering resilient and secure connectivity and the latest traffic-prioritization technologies to optimize applications on converged networks. Designed for maximum flexibility and scalability, 3Com Switch 5500 models come with 24 or 48 10/100 ports, plus four active SFP-based Gigabit Ethernet ports for stacking and uplinks.

The switches can be stacked up to eight units high in one location, or they can be distributed over several sites up to 70 km (43.5 miles) apart and connected via Gigabit links to form a virtual “stack.” One stack can provide up to 384 Fast Ethernet ports and may be managed centrally as a single-IP entity. Choose from models equipped with standard-image or enhanced-image software to achieve the best fit for the enterprise’s performance and budget requirements. Each Enhanced-Image stack offers chassis-like availability and resiliency over traditional aggregated-trunk configurations with patented 3Com XRN® (eXpandable Resilient Networking) stacking technology.

KEY BENEFITS

ENTERPRISE-LEVEL PERFORMANCE

3Com Switch 5500 10/100 devices provide switching capacity of up to 17.6 Gbps for 52-port models and 12.8 Gbps for 28-port models. Wirespeed and line-rate performance is delivered on all ports within the stack. Advanced Layer 3 routing—including OSPF, PIM-SM, PIM-DM and RIP v1/v2—helps deliver optimal performance and system response.

CHOICE OF STANDARD OR ENHANCED FEATURES

Enterprises can select Standard-Image (SI) or Enhanced-Image (EI) versions. EI models offer expanded capabilities and provide additional switching features: more MAC addresses, static routes and IP interfaces, greater number of virtual LANs (VLANs), extended port mirroring, Layer 3 OSPF routing, 3Com XRN stacking technology and IEEE 802.3af Power over Ethernet (PoE) support.



from top: 3Com Switch 5500-SI 52-Port, Switch 5500-SI 28-Port, Switch 5500-EI 28-Port FX, Switch 5500-EI 52-Port, Switch 5500-EI 28-Port, Switch 5500-EI PWR 52-Port, Switch 5500-EI PWR 28-Port

KEY BENEFITS (CONTINUED)

HIGH AVAILABILITY FOR CRITICAL APPLICATIONS

XRN technology, a 3Com innovation, enables multiple interconnected and stackable Layer 3 switches to be managed as a single entity. Stack and switching fabric setup is automated and provides a high level of resiliency and continuous availability without adding to network complexity. After configuration, all switches actively share routing intelligence and network loads—eliminating the wasted bandwidth and added expense of a passive standby unit. Ultra-fast failover recovery automatically redistributes traffic among the other active units in case a switch becomes disconnected or fails.

MULTILAYER SECURITY

The Switch 5500 family provides integrated and distributed security enforcement that can be managed from a central location. Access control lists (ACLs) help protect network resources from unauthorized access and data corruption. User-based authentication and DES 56/168-bit[†] encryption help secure Layer 3 protocols and management controls such as SSH v2 and SNMP. IEEE 802.1X RADIUS/TACACS+ network login and RADIUS Authenticated Device Access (RADA) enforce access control at the network edge.

FLEXIBLE, SECURE FIBER CONNECTIONS

The Switch 5500-EI FX is ideally suited for applications where security is of paramount importance, or where long cable runs are required. This switch provides connections on fiber infrastructures that are almost impervious to electronic eavesdropping because they use optical transmission. The switch uses 100BASE-X SFP transceivers for its 24 10/100 connections, providing the flexibility of running any mix of 100BASE-FX multimode fiber (up to 2 km/1.2 miles) or 100BASE-LX10 single-mode fiber (up to 10 km/6.2 miles). Plus, the Switch 5500-EI FX supports all the advanced EI features.

PRIORITY FOR CONVERGED BUSINESS TRAFFIC

Next-generation traffic prioritization features—including advanced policy-based Class of Service/Quality of Service (CoS/QoS), eight priority queues, committed access rates, bandwidth limiting and filtering and more—identify and optimize delay-sensitive traffic such as voice and video. To help assure this optimization, switches can be configured to automatically isolate voice traffic from 3Com and other IP telephony systems within a voice-dedicated VLAN.

UNIQUE AC/DC POWERED OPERATION

3Com Switch 5500 products are the first stackable switches to support multiple power schemes right out of the box, with a choice of AC, AC and DC, or DC operation. Some EI models also support IEEE 802.3af PoE, enabling power to be injected out to the edge of the network without the need to install additional wires or upgrade existing power supplies. An available Redundant Power System can provide supplemental N+1 power across all PoE ports in the system.

[†] 168-bit encryption not available in all countries. Refer to www.3com.com for details.

KEY BENEFITS (CONTINUED)

POWERFUL, UNIFIED MANAGEMENT

The 3Com Operating System employed in the Switch 5500 is the same powerful software used in the 3Com Switch 8800 and Switch 7700 modular switch families and the Router 6000, 5000 and 3000 families. This consolidates administration over the entire switching infrastructure and provides edge-to-core visibility and control when using 3Com management applications such as 3Com Enterprise Management Suite and 3Com Network Director.

FUTURE-PROOF INVESTMENT

Standards-based switching—including IP v6 traffic filtering and classification, cabling support and management features—provide a networking solution that maximizes IT investment and supports emerging standards.

WORLD-CLASS SERVICE, SUPPORT AND TRAINING

The 3Com Switch 5500 is backed by 3Com and its authorized partners. Professional customer service organizations offer assessment, installation, management and maintenance support for network infrastructures. Skilled personnel with experience in a variety of network environments can assist 3Com customers through all phases of network planning, implementation, troubleshooting and product training.

FEATURE HIGHLIGHTS

Provides up to 48 10/100 Layer 2/3/4 switched ports per switch and up to 384 10/100 ports per stack

Equipped with four additional Gigabit Ethernet ports for stacking or uplinks

Can be stacked eight units high, or implemented as a distributed stack at multiple locations and managed as a single-IP entity

Delivers wirespeed and line-rate performance on all ports

Offers OSPF and multicast routing, 3Com XRN stacking technology and IEEE 802.3af Power over Ethernet (EI models)

Provides high resiliency and continuous availability with active load sharing and support for ultra-fast failover recovery

Implements multilayer distributed security including ACLs, DES 56/168-bit[†] encryption, IEEE 802.1X network login and RADA authentication

Prioritizes converged network traffic with advanced CoS/QoS and other features to ensure high levels of service for latency-sensitive applications

Leverages existing power schemes in data centers and switching infrastructures with built-in support for both AC and DC power

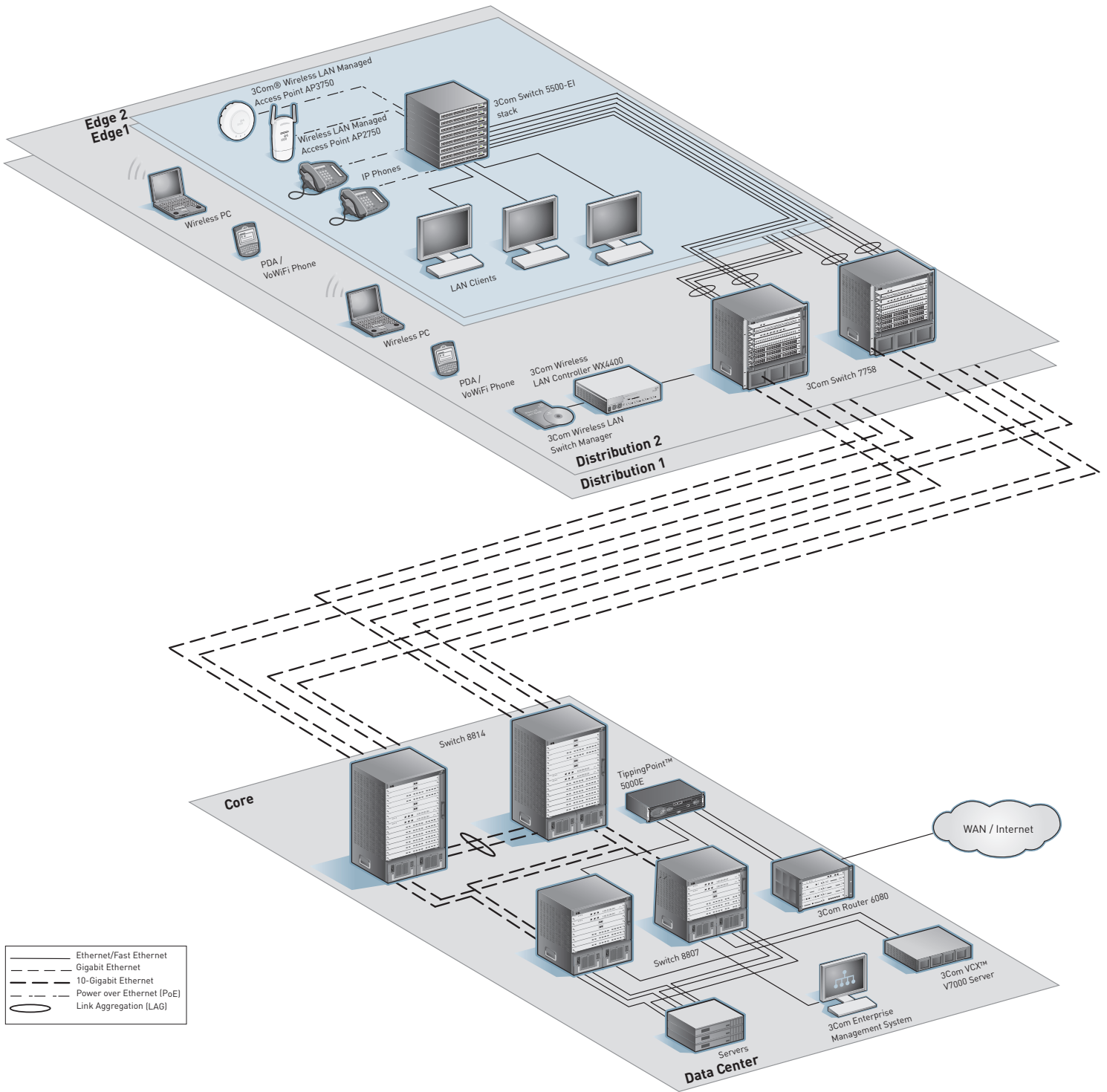
Consolidates administrative control and enhances core-to-edge visibility with an operating system shared with 3Com modular switches and routers

Offers a fiber model for increased security and infrastructure flexibility

Backed by top-flight service, support and training from 3Com and 3Com authorized partners

[†] 168-bit encryption not available in all countries. Refer to www.3com.com for details.

3COM SWITCH 5500 FAMILY IN AN ENTERPRISE CAMPUS NETWORK



PRODUCT WARRANTY AND OTHER SERVICES

Warranty	3Com Limited Lifetime Warranty. For as long as the original end user owns the product, or for five years after 3Com discontinues the sale of the product, whichever occurs first.
Hardware coverage	Covers the complete unit including power supply and fan.
In-warranty hardware replacement*	Advanced Hardware Replacement of hardware for the duration of the warranty. In the US 48 contiguous states this is same-day ship with next business day delivery when call received before noon Pacific time. For Canada, Alaska and Hawaii, this is same-day ship when call received before noon Pacific time. For the rest of the world, it is next-business-day ship. Actual delivery times may vary depending on customer location. Reasonable commercial efforts apply.
Software coverage	90 days for media replacement.
Software updates*	Access to maintenance and bug fix releases for the software version purchased for the duration of the warranty.
Online Knowledgebase support*	Access to online troubleshooting tool for the duration of the warranty.

* These services are not included as part of the Warranty and 3Com reserves the right to modify or cancel this offering at any time, without advance notice. This offering is not available where prohibited by law. Services are effective at warranty start date, and are enabled with product registration. Customers receive a user ID with eSupport registration.

SERVICE AND SUPPORT

3Com Global Services offers the resources and talents of a major corporation plus more than two decades of experience in resolving network challenges and delivering business benefits to enterprises around the world.

Global support with a personalized focus in the local language helps drive productivity and minimize expenses. Because 3Com understands both the technology and the business, we're the partner you need, to maintain your competitive edge and remain strong.

Suggested Service, Support and Training Offerings

Network Health Check	<p>An activity-auditing service focused on improving network performance and productivity</p> <p>Includes traffic monitoring, utilization analysis, problem identification, and asset deployment recommendations</p> <p>Extensive report provides blueprint for action</p>
Network Installation and Implementation Services	<p>Experts set-up and configure equipment and integrate technologies to maximize functionality and minimize business disruption</p> <p>For large and complex sites, implementation services include personalized configuration, project management, extended testing and coaching on network administration</p>
Project Management	<p>Provides extra focus and resources that special projects demand</p> <p>3Com engineers manage entire process from initial specifications to post-project review</p> <p>Using structured methodology, requirements are identified, projects planned and progress of implementation activities tracked</p>
3Com Guardian SM Maintenance Service	This service provides comprehensive on-site support and includes advance hardware replacement, telephone technical support and software upgrades
3Com Express SM Maintenance Service	This service provides speedy access to: 3Com shipment of advance hardware replacements, software upgrades and telephone support
3Com University	Self-paced and instructor-led technology and product courses, plus certification programs

SPECIFICATIONS

All information in this section is relevant to all members of the 3Com Switch 5500 10/100 family, unless otherwise stated.

CONNECTORS

52-port models

48 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto-MDI/MDIX; IEEE 802.3af in-line power for PWR models

4 Gigabit SFP ports

28-port non-FX models

24 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto-MDI/MDIX; IEEE 802.3af in-line power for PWR models

4 Gigabit SFP ports

28-port FX

24 SFP ports, to be populated with 100BASE-X SFP multi- or single-mode transceivers

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

2 Gigabit SFP ports

PERFORMANCE

52-port

17.6 Gbps switching capacity, max.

13.1 Mpps forwarding rate, max.

28-port

12.8 Gbps switching capacity, max.

9.5 Mpps forwarding rate, max.

All models

Wirespeed performance across all ports within stack or fabric

Store-and-forward switching; latency <10 μs

2 Gbps full-duplex stacking bandwidth

LAYER 2 SWITCHING

16K MAC addresses in address table

Static MAC addresses: 256 (EI models); 64 (SI models); in addition to default address

Jumbo Frame support (EI models only)

Port-based IEEE 802.1Q VLANs: 4,094 (EI models); 256 (SI models)

IEEE 802.1 Q-in-Q double-tagged VLANs (EI models only)

IEEE 802.1v protocol-based VLANs (EI models only)

MAC-based VLANs using RADA auto-VLAN assignment

Auto-voice VLAN

IEEE 802.3ad Link Aggregation Control Protocol (LACP); automated and manual aggregation

Link aggregation trunk groups, per switch:

- 26 (52-port); 14 (28-port)
- 8 10/100 ports or 8 SFP ports per group
- 8 Distributed Link Aggregation (DLA) groups

Auto-negotiation and manual configuration of port speed and duplex

IEEE 802.3x full-duplex flow control

Back pressure flow control for half-duplex

Unidirectional Link Detection (UDLD)

Broadcast, Multicast and Unicast traffic suppression

IEEE 802.1D Spanning Tree Protocol (STP)

IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

Bridge Protocol Data Unit (BPDU) protection

Spanning Tree root guard

Internet Group Management Protocol (IGMP) v1 and v2 snooping

IGMP querier

Filtering for 256 multicast groups

LAYER 3 SWITCHING

Hardware based routing

Static routes: 256 (EI models);

64 (SI models); in addition to default address

Address Resolution Protocol (ARP) entries: 4K dynamic, 1K static (EI models); 2K dynamic, 256 static (SI models)

IP interfaces: 32 (EI models);

4 (SI models)

Routing Information Protocol (RIP), v1 and v2: 2K routes (EI models);

1K (SI models)

Open Shortest Path First (OSPF)

(EI models only):

- 2 areas with 4 virtual interfaces per area
- 2 neighbors per virtual interface
- 2 virtual links

Protocol Independent Multicast-Dense Mode (PIM-DM) (EI models only)

Protocol Independent Multicast-Sparse Mode (PIM-SM) (EI models only)

IGMP v1 and v2

Equal Cost Multipath Protocol (ECMP)

Multicast VLAN Registration (MVR)

Dynamic Host Configuration Protocol Relay (DHCP Relay): 4 K max.

(EI models); 2 K max. (SI models)

3Com XRN® Technology:

- Resilient stacking and fabric links up to 70 km (43.5 mi)
- Distributed Link Aggregation, hot-swappable switch units; high-speed fully resilient trunks up to 8 Gbps
- Distributed Resilient Routing: optimized Layer 3, one routing table per switch (EI models only)

Virtual Router Redundancy Protocol (VRRP): EI models Only

CONVERGENCE

8 hardware queues per port

IEEE 802.1p Class of Service/Quality of Service (CoS/QoS) on ingress and egress

Remarking of packets based on priority:

- Type of Service (ToS)
- IEEE 802.1p CoS
- IP precedence
- Physical port
- Source/destination MAC address
- VLAN information
- Ethertype
- Source/destination IP address
- Source/destination TCP port
- Source/destination UDP port

Webcache redirection (EI models only)

Time-based Access Control Lists (ACLs) (EI models only)

Auto-prioritization of voice traffic determined by vendor OUI

Weighted Round Robin (WRR), including WRR+SP

Weighted Fair Queuing (WFQ), including WFQ + SP

Strict Priority Queuing (SPQ)

Weighted Random Early Discard (WRED)

DiffServ Code Point Expedited Forwarding (DSCP EF) remarking for prioritization of VoIP traffic

Application rate limiting and blocking on ingress

Port-based traffic shaping on egress

IEEE 802.3af Power over Ethernet standards-compliant (PWR models)

POE (PWR MODELS ONLY)

IEEE 802.3af PoE injection into Cat5 or 5e LAN wiring (300 W total max.)

Supports all standard and most common pre-standard phones, access points and other PoE devices from selected vendors (Cisco, Nortel, Philips, Siemens, Avaya, NEC, Polycom, Pingtel, Proxim, et. al.)

Available standards-based supplemental power system enables full 15.4 W to all PoE ports in a switch or stack

SECURITY

IEEE 802.1X Network login user authentication:

- Local, RADIUS, or TACACS+ server authentication
- PAP, CHAP, EAP over LAN (EAPoL), EAP-TLS/TTLS and PEAP
- Automatic port assignment of VLANs, ACLs and QoS profile based on user
- Multiple users per port
- 1,024 users per fabric
- Guest VLAN option
- Multiple authentication server realm definitions

RADIUS/TACACS+ session accounting
RADIUS Authenticated Device Access (RADA): authenticate devices based on MAC address against RADIUS server or local database; assign VLAN ID and ACL through RADIUS

Combined MAC and IEEE 802.1X

authentication on same port

DHCP Tracker (EI models only)

DHCP snooping, including DHCP Trust

Wirespeed packet filtering in hardware ACLs filter at Layers 2, 3 and 4:

- Source/destination MAC address
- Ethernet type
- Source/destination IP address
- Source/destination TCP port
- Source/destination UDP port

User-defined ACL filters

(EI models only)

Port-based MAC address Disconnect Unknown Device (DUD)

IEEE 802.1X or TACACS+ user authentication of switch management on Telnet and console sessions

MD5 cipher-text and clear-text authentication for OSPF v2 and RIP v2 packets and SNMP v3 traffic

Hierarchical management and password protection for management interface and encrypted traffic, with SNMP v3 and SSH v2

4 local user access privilege levels

Trusted management station IP and/or MAC address

STACKING

Up to 400 user ports, including up to 384 10/100 ports

Single IP address and management interfaces for stack-wide control

Hot-swappable, resilient stacking

Distributed stacking over standard media with links up to 70 km (43.5 mi)

XRN Stacking Technology of up to eight units high

Distributed Resilient Routing with router tables in all units; no master/slave arrangement (EI models only)

Stack Switch 5500 EI models only with other like units using XRN Technology via SFP ports

Stack Switch 5500 SI models only with other like units using SFP ports

MANAGEMENT

CLI via console or Telnet

Embedded web management interface

System configuration with SNMP v1, 2c and 3

Comprehensive statistics, including ACL/QoS and IP interface

Syslog

Remote Monitoring (RMON) groups statistics, history, alarm and events

DHCP server including options 60, 82 and 184 (EI models only)

Supports multiple software images and bank swap, stored in non-volatile memory

Configuration conversion tool for migration from Switch 3300, 4200 and 4400 to Switch 5500

1-to-1 port mirroring

Ability to apply ACL to mirror port and forward only certain traffic types

Many-to-1 port mirroring (EI models only)

VLAN-to-1 port mirroring (EI models only)

Remote port mirroring (EI models only)

Detailed alarm and debug information

Front panel indicators for port and unit status information

Supports ping, remote ping and traceroute

Configuration file for backup and restore, stored in non-volatile memory; multiple configuration files available

Backup and restore of software images

Network Time Protocol (NTP)

DHCP Relay and UDP Helper

System file transfer mechanisms: Xmodem, FTP, Trivial FTP (TFTP),

Secure FTP (SFTP)

SPECIFICATIONS

(CONTINUED)

3Com management applications:

- 3Com Enterprise Management Suite for flexible, extensible management in advanced enterprise IT environments
- 3Com Network Director for comprehensive, turn-key network management for the enterprise
- 3Com Network Supervisor for basic, turn-key network management for mid-market businesses
- 3Com Network Access Manager for IEEE 802.1X and RADA integration with IAS/Active Directory
- 3Com Switch Manager for virtual clustering support across 3Com switch families

DIMENSIONS

Height: 43.6 mm (1.7 in or 1 RU)
 Width: 440.0 mm (17.3 in)
 Depth: 270.0 mm (10.6 in)
 (PWR models: 427.0 mm (16.8 in))
 Weight: 3.3 kg (7.3 lb)
 (PWR models: 6.3 kg (13.9 lb))

POWER SUPPLY

Mode support: AC-only, AC and DC, DC-only operation

Built-in DC power stage for direct connection to -48 V supply

AC line frequency: 50/60 Hz

Input voltage: 90-240 VAC

AC current rating: 1.0A max.
 (PWR models: 7.0A max.)

DC current rating: 2.0A max.

(PWR 28-port: 12.0A;
 PWR 52-port: 19.5A; max.)

ENVIRONMENTAL

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

Operating altitude: 0 to 4,572 meters
 (0 to 15,000 feet)

Storage temperature: -40° to 70°C
 (-40° to 158°F)

Humidity (operating and storage):
 10% to 95% non-condensing

Standard: EN 60068 (IEC 68)

Sound pressure level (dBA):

- 52-port: 46.5 decibels
- 52-port PWR: 46.3 decibels
- 28-port: 40.1 decibels
- 28-port PWR: 47.3 decibels
- 28-port FX: 51.3 decibels

RELIABILITY

(MTBF @ 25°C)

52-port: 44 years (385,000 hours)

52-port PWR: 21 years (184,000 hours)

28-port: 53 years (464,000 hours)

28-port PWR: 30 years (263,000 hours)

28-port FX: 38 years (332,000 hours)

INDUSTRY STANDARDS SUPPORTED

Ethernet Protocols

IEEE 802.1D (STP)

IEEE 802.1p (CoS)

IEEE 802.1Q (VLANs)

IEEE 802.1s (MSTP)

IEEE 802.1v (Protocol VLANs)

IEEE 802.1w (RSTP)

IEEE 802.1X (Security)

IEEE 802.3 (Ethernet)

IEEE 802.3ab (1000BASE-T)

IEEE 802.3ad (Link Aggregation)

IEEE 802.3af (Power over Ethernet)

IEEE 802.3ah (Ethernet in First Mile over Point to Point Fiber - EFMF)

IEEE 802.3i (10BASE-T)

IEEE 802.3u (100BASE-TX/-FX)

IEEE 802.3x (Flow Control)

IEEE 802.3z (1000BASE-X)

Management, including MIBs

Supported

RFC 768 (UDP)

RFC 783 (TFTP)

RFC 791 (IP)

RFC 792 (ICMP)

RFC 793 (TCP)

RFC 826 (ARP)

RFC 1058 (Routing Information Protocol)

RFC 1112 (IP Multicasting)

RFC 1157 (SNMP)

RFC 1213/2233 (MIB II)

RFC 1253 (OSPF Version 2 MIB)

RFC 1583 (OSPF Version 2)

RFC 1587 (OSPF NSSA Option)

RFC 1724 (RIP Version 2 MIB Extension)

RFC 1757 (RMON)

RFC 1812 (Requirements for IPv4 Routers)

RFC 1850 (OSPF Version 2 MIB)

RFC 1907 (SNMP Version 2c MIB)

RFC 2021 (RMON II Probe Config MIB)

RFC 2154 (OSPF Digital Signatures)

RFC 2233 (Interfaces MIB)

RFC 2236 (IGMP V2)

RFC 2328 (OSPF Version 2)

RFC 2338 (VRRP)

RFC 2362 (PIM-SM)

RFC 2571 (FrameWork)

RFC 2571-2575 (SNMP)

RFC 2613 (Remote Network

Monitoring MIB Extensions)

RFC 2618 (RADIUS Authentication

Client MIB)

RFC 2620 (RADIUS Accounting Client

MIB)

RFC 2644 (Restricted Directed

Broadcast)

RFC 2665 (Pause Control)

RFC 2674 (VLAN MIB Extension)

RFC 2819 (RMON groups Alarm,

Event, History and Statistics only)

RFC 2819 (RMON MIB)

RFC 3414 (SNMP Version 3 USM)

RFC 3415 (SNMP Version 3 VACM)

SNMP v3 and RMON RFC support

EMISSIONS / AGENCY APPROVALS

CISPR 22 Class A

FCC Part 15 Class A

EN 55022 1998 Class A

EN 61000-3-2 2000, 61000-3-3

ICES-003 Class A

VCCI Class A

IMMUNITY

EN 55024

SAFETY AGENCY CERTIFICATIONS

UL 60950

IEC 60950-1

EN 60950-1

CAN/CSA-C22.2 No. 60950-1-03

WARRANTY AND OTHER SERVICES

Limited Lifetime Hardware Warranty, including fans and power supply

Limited Software Warranty for 90 days

Advance Hardware Replacement

with Next Business Day shipment in

most regions

90 days of telephone technical support

Refer to www.3com.com/warranty

for details.

REDUNDANT POWER SYSTEM

3Com has tested and qualified a Redundant Power System (RPS) solution designed for the Switch 5500 family by Eaton Powerware Corporation, a leading global provider of power quality and management solutions.

The Powerware DC RPS systems come in either 3RU or 6RU form-factors, delivering up to 9,000W of DC power to a stack of Switch 5500 units. The 3RU RPS unit houses up to three hot-swappable rectifiers supplying up to 4,500W of power that supports up to eight separately-fused DC outputs, while the 6RU unit can house up to six hot-swappable rectifiers provisioning a total of 9,000W.

The RPS supports SNMP management, including MIB II, which is easily accessible through the built-in RJ-45 or serial port. It is fully compatible with the IEEE 802.3af Power over Ethernet standard, providing supplemental power for the 3Com Switch 5500 PWR models.

With this RPS, all 384 10/100 ports on a stack of eight Switch 5500 PWR 52-port units can receive the industry standard 15.4W of power per port, with N+1 power redundancy.

The RPS ships with the power input fully configured and can be connected to a UPS with battery backup. For more details, please refer to www.3com.com/rps.

ORDERING INFORMATION

Product Description	3Com Sku
3Com Switch 5500-SI 28-Port	3CR17151-91
3Com Switch 5500-SI 52-Port	3CR17152-91
3Com Switch 5500-EI 28-Port	3CR17161-91
3Com Switch 5500-EI 52-Port	3CR17162-91
3Com Switch 5500-EI PWR 28-Port	3CR17171-91
3Com Switch 5500-EI PWR 52-Port	3CR17172-91
3Com Switch 5500-EI 28-Port FX	3CR17181-91
Transceivers	
3Com 1000BASE-SX SFP	3CSFP91
3Com 1000BASE-LX SFP	3CSFP92
3Com 1000BASE-T SFP	3CSFP93
3Com 1000BASE-LH SFP	3CSFP97
3Com 100BASE-FX SFP [†]	3CSFP81
3Com 100BASE-LX10 SFP [†]	3CSFP82
3Com 100BASE-BX10-D SFP [†]	3CSFP85
3Com 100BASE-BX10-U SFP [†]	3CSFP86
DC Power System Components[‡]	
Powerware RPS Rackmount 3-Rectifier System with Load Distribution	APS3-058
Powerware RPS Rackmount 3-Rectifier System with Load and Battery Distribution	APS3-059
Powerware RPS Desktop 3-Rectifier System with Load Distribution	APS3-060
Powerware RPS Desktop 3-Rectifier System with Load and Battery Distribution	APS3-061
Powerware RPS Rackmount 6-Rectifier System with Load Distribution	APS6-058
Powerware RPS Rackmount 6-Rectifier System with Load and Battery Distribution	APS6-059
Powerware RPS 1,500W Rectifier	APR48
Powerware RPS 720W Rectifier	APU48
3Com Global Services	
3Com Network Health Check, Installation Services, and Express Maintenance	www.3com.com/services_quote
3Com University Courses	www.3com.com/3comu

[†] Only for use with Switch 5500-EI 28-Port FX, 3CR17181-91.

[‡] Provides supplemental or redundant DC power for Switch 5500 PWR models. Available from authorized 3Com resellers. See www.3com.com/rps for details.

Visit www.3com.com for more information about 3Com secure converged network solutions.

3Com Corporation, Corporate Headquarters, 350 Campus Drive, Marlborough, MA 01752-3064
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The switches can be stacked up to eight units high using patented 3Com XRN® (eXpandable Resilient Networking) technology. One XRN stack can provide up to 448 Gigabit Ethernet ports that are centrally managed and offers chassis-class availability and resiliency. Further expansion is possible via Clustered Stacking technology allowing single IP management for up to 32 devices from different switch families, including the Switch 7750, 5500G-EI, 5500-EI and 4200G.

KEY BENEFITS

ENTERPRISE-LEVEL PERFORMANCE

3Com Switch 5500 10/100/1000 devices provide switching capacity of up to 240 Gbps for 48-port models and 192 Gbps for 24-port models. Wirespeed and line-rate performance is delivered on all ports within the stack. Advanced Layer 3 routing—including OSPF, PIM-SM, PIM-DM and RIP v1/v2—helps deliver optimal performance and system response.

BUILT FOR FLEXIBILITY AND GROWTH

The 3Com Switch 5500G family consists of five models: 24 or 48 ports, 10/100/1000, with or without PoE; a fifth SFP model offers 24 SFP Gigabit ports. Four ports on each of these models are dual-purpose or “dual-personality”, functioning as either 10/100/1000 or with fiber Gigabit SFPs; two of these four SFP ports also support Fast Ethernet fiber. All models provide a slot for a 1- or 2-port 10-Gigabit module, enabling switch capabilities to grow with the needs of the network.



from top: 3Com Switch 5500G-EI 24-Port, Switch 5500G-EI PWR 24-Port, Switch 5500G-EI 48-Port, Switch 5500G-EI PWR 48-Port, Switch 5500G-EI 24-Port SFP

KEY BENEFITS (CONTINUED)

HIGH AVAILABILITY FOR CRITICAL APPLICATIONS

XRN technology, a 3Com innovation, enables multiple interconnected and stackable Layer 3 switches to be managed as a single entity. Stack and switching fabric setup is automated and provides a high level of resiliency and continuous availability without adding to network complexity. After configuration, all switches actively share routing intelligence and network loads—eliminating the wasted bandwidth and added expense of a passive standby unit. Ultra-fast failover recovery automatically redistributes traffic among the other active units in case a switch becomes disconnected or fails.

MULTILAYER SECURITY

The Switch 5500G family provides integrated and distributed security enforcement that can be managed from a central location. Access control lists (ACLs) help protect network resources from unauthorized access and data corruption. User-based authentication and DES 56/168-bit[†] encryption help secure Layer 3 protocols and management controls such as SSH v2 and SNMP. IEEE 802.1X RADIUS/TACACS+ network login and RADIUS Authenticated Device Access (RADA) enforce access control at the network edge.

PRIORITY FOR CONVERGED BUSINESS TRAFFIC

Next-generation traffic prioritization features—including advanced policy-based Class of Service/Quality of Service (CoS/QoS), eight priority queues, committed access rates, bandwidth limiting and filtering and more—identify and optimize delay-sensitive traffic such as voice and video. To help assure this optimization, switches can be configured to automatically isolate voice traffic from 3Com and other IP telephony systems within a voice-dedicated VLAN.

UNIQUE AC/DC POWERED OPERATION

3Com Switch 5500G products are the first stackable switches to support multiple power schemes right out of the box, with a choice of AC, AC and DC, or DC operation. Some models also support IEEE 802.3af PoE, enabling power to be injected out to the edge of the network without the need to install additional wires or upgrade existing power supplies. The customer-swappable power supply unit enables non-PoE models to be easily upgraded to PoE capability. An available Redundant Power System can provide supplemental N+1 power across all PoE ports in the system.

POWERFUL, UNIFIED MANAGEMENT

The 3Com Operating System employed in the Switch 5500G is the same powerful software used in the 3Com Switch 8800 and Switch 7700 modular switch families and the Router 6000, 5000 and 3000 families. This consolidates administration over the entire switching infrastructure and provides edge-to-core visibility and control when using 3Com management applications such as 3Com Enterprise Management Suite and 3Com Network Director.

[†] 168-bit encryption not available in all countries. Refer to www.3com.com for details.

KEY BENEFITS (CONTINUED)

FUTURE-PROOF INVESTMENT

Standards-based switching—including IP v6 traffic filtering and classification, cabling support and management features—provide a networking solution that maximizes IT investment and supports emerging standards.

WORLD-CLASS SERVICE, SUPPORT AND TRAINING

The 3Com Switch 5500 is backed by 3Com and its authorized partners. Professional customer service organizations offer assessment, installation, management and maintenance support for network infrastructures. Skilled personnel with experience in a variety of network environments can assist 3Com customers through all phases of network planning, implementation, troubleshooting and product training.

FEATURE HIGHLIGHTS

Provides up to 56 Gigabit Layer 2/3/4 switched ports per switch and up to 448 Gigabit ports per stack

Equipped with four dual-purpose ports on each switch providing either 10/100/1000 or SFP Fast^y/Gigabit Ethernet connectivity

Offers optional 1- and 2-port 10-Gigabit and 8-port SFP Gigabit modules for links to the network core

Can be stacked eight units high and managed as a single-IP entity

Delivers wirespeed and line-rate performance on all ports

Offers OSPF and multicast routing, 3Com XRN stacking technology and IEEE 802.3af Power over Ethernet

Provides high resiliency and continuous availability with active load sharing and support for ultra-fast failover recovery

Implements multilayer distributed security including ACLs, DES 56/168-bit[†] encryption, IEEE 802.1X network login and RADA authentication

Prioritizes converged network traffic with advanced CoS/QoS and other features to ensure high levels of service for latency-sensitive applications

Leverages existing power schemes in data centers and switching infrastructures with built-in support for both AC and DC power

Consolidates administrative control and enhances core-to-edge visibility with an operating system shared with 3Com modular switches and routers

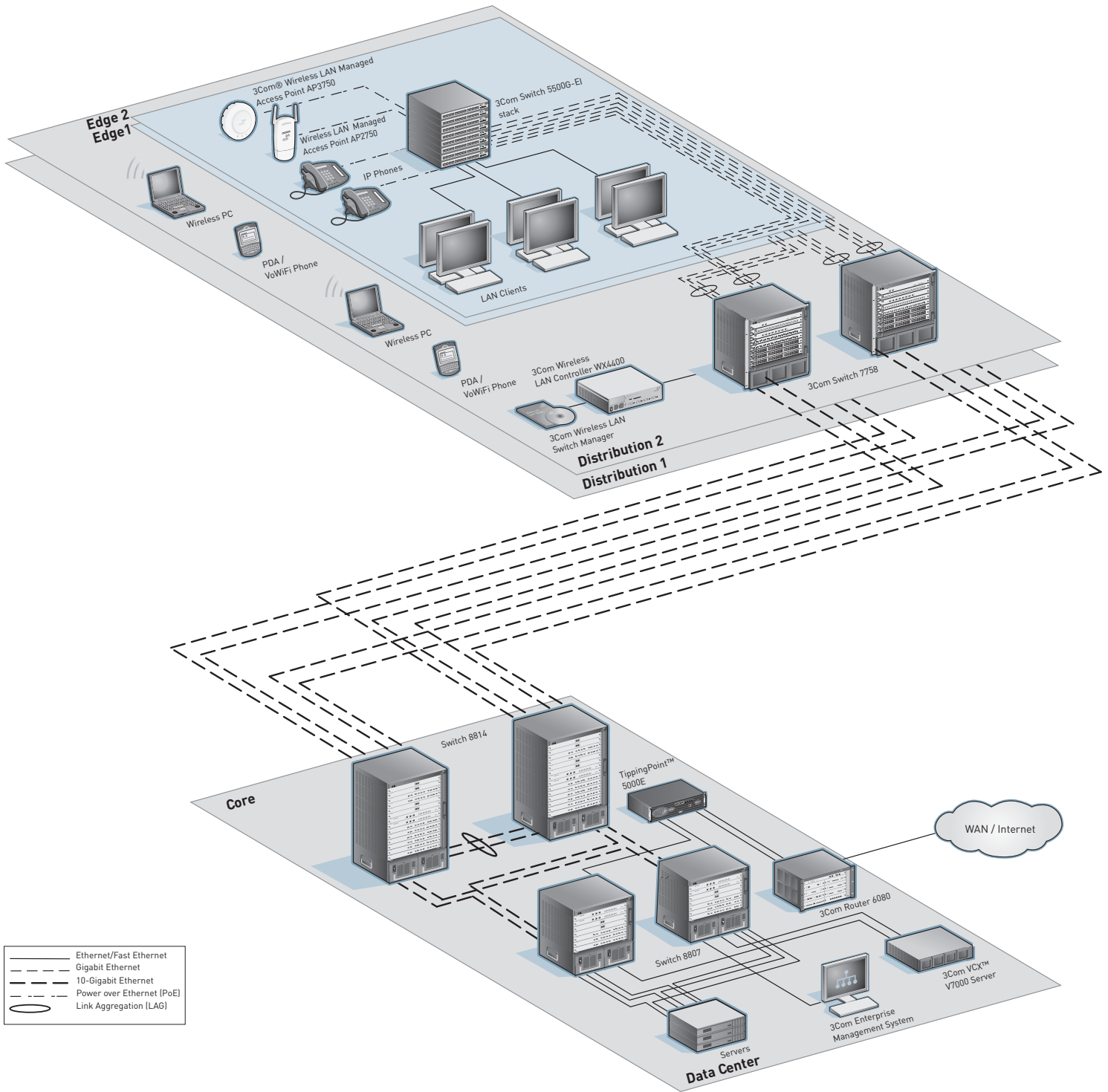
Offers an SFP-based model with 24 SFP Gigabit ports, four of which are dual-purpose

Backed by top-flight service, support and training from 3Com and 3Com authorized partners

^y Two of the four SFP ports are capable of supporting Fast Ethernet fiber, via 1000BASE-X compatible SFP transceivers 3CSFP9-81 and 3CSFP9-82.

[†] 168-bit encryption not available in all countries. Refer to www.3com.com for details.

SWITCH 5500G FAMILY IN ENTERPRISE CAMPUS NETWORK



PRODUCT WARRANTY AND OTHER SERVICES

Warranty	3Com Limited Lifetime Warranty. For as long as the original end user owns the product, or for five years after 3Com discontinues the of sale of the product, whichever occurs first.
Hardware coverage	Covers the complete unit including power supply and fan.
In-warranty hardware replacement [†]	Advanced Hardware Replacement of hardware for the duration of the warranty. In the US 48 contiguous states this is same-day ship with next business day delivery when call received before noon Pacific time. For Canada, Alaska and Hawaii, this is same-day ship when call received before noon Pacific time. For the rest of the world, it is next-business-day ship. Actual delivery times may vary depending on customer location. Reasonable commercial efforts apply.
Software coverage	90 days for media replacement.
Software updates*	Access to maintenance and bug fix releases for the software version purchased for the duration of the warranty.
Online Knowledgebase support*	Access to online troubleshooting tool for the duration of the warranty.

* These services are not included as part of the Warranty and 3Com reserves the right to modify or cancel this offering at any time, without advance notice. This offering is not available where prohibited by law. Services are effective at warranty start date, and are enabled with product registration. Customers receive a user ID with eSupport registration.

SERVICE AND SUPPORT

3Com Global Services offers the resources and talents of a major corporation plus more than two decades of experience in resolving network challenges and delivering business benefits to enterprises around the world.

Global support with a personalized focus in the local language helps drive productivity and minimize expenses. Because 3Com understands both the technology and the business, we're the partner you need, to maintain your competitive edge and remain strong.

Suggested Service, Support and Training Offerings

Network Health Check	<p>An activity-auditing service focused on improving network performance and productivity</p> <p>Includes traffic monitoring, utilization analysis, problem identification, and asset deployment recommendations</p> <p>Extensive report provides blueprint for action</p>
Network Installation and Implementation Services	<p>Experts set-up and configure equipment and integrate technologies to maximize functionality and minimize business disruption</p> <p>For large and complex sites, implementation services include personalized configuration, project management, extended testing and coaching on network administration</p>
Project Management	<p>Provides extra focus and resources that special projects demand</p> <p>3Com engineers manage entire process from initial specifications to post-project review</p> <p>Using structured methodology, requirements are identified, projects planned and progress of implementation activities tracked</p>
3Com Guardian SM Maintenance Service	This service provides comprehensive on-site support and includes advance hardware replacement, telephone technical support and software upgrades
3Com Express SM Maintenance Service	This service provides speedy access to: 3Com shipment of advance hardware replacements, software upgrades and telephone support
3Com University	Self-paced and instructor-led technology and product courses, plus certification programs

SPECIFICATIONS

All information in this section is relevant to all members of the 3Com Switch 5500G 10/100/1000 family, unless otherwise stated.

CONNECTORS

48-port models

48 auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T ports, 4 of which are dual-personality 10/100/1000 or SFP Gigabit ports[†]

IEEE 802.3af in-line power on all 10/100/1000 ports for PWR models

24-port SFP model

24 Gigabit SFP ports, 4 of which are dual-personality 10BASE-T/100BASE-TX/1000BASE-T or SFP Gigabit ports[†]

24-port, other models

24 auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T, 4 of which are dual-personality 10/100/1000 or SFP Gigabit ports[†]

IEEE 802.3af in-line power on all 10/100/1000 ports for PWR models

All models

Application module slot

2 XRN Stacking ports

Redundant power supply (-48 VDC) connector

RJ-45 console port

PERFORMANCE

48-port

240.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

172.6 Mpps forwarding rate, max. (with 2-port 10-Gigabit module)

142.3 Mpps forwarding rate, max. (with no optional modules)

24-port

192.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

136.9 Mpps forwarding rate, max. (with 2-port 10-Gigabit module)

107.1 Mpps forwarding rate, max. (with no optional modules)

24-port

192.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

136.9 Mpps forwarding rate, max. (with 2-port 10-Gigabit module)

107.1 Mpps forwarding rate, max. (with no optional modules)

24-port

192.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

136.9 Mpps forwarding rate, max. (with 2-port 10-Gigabit module)

107.1 Mpps forwarding rate, max. (with no optional modules)

24-port

192.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

136.9 Mpps forwarding rate, max. (with 2-port 10-Gigabit module)

107.1 Mpps forwarding rate, max. (with no optional modules)

24-port

192.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

136.9 Mpps forwarding rate, max. (with 2-port 10-Gigabit module)

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24-port

192.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

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24-port

192.0 Gbps switching capacity, max. (with 2-port 10-Gigabit module)

136.9 Mpps forwarding rate, max. (with 2-port 10-Gigabit module)

107.1 Mpps forwarding rate, max. (with no optional modules)

Link aggregation trunk groups, per switch:

- 32 groups
- 8 10/100/1000 ports or 4 10-Gigabit ports per group
- 32 Distributed Link Aggregation (DLA) groups

Auto-negotiation and manual configuration of port speed and duplex

IEEE 802.3x full-duplex flow control

Back pressure flow control for half-duplex

Unidirectional Link Detection (UDLD)

Broadcast, Multicast and Unicast traffic suppression

IEEE 802.1D Spanning Tree Protocol (STP)

IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

Bridge Protocol Data Unit (BPDU) protection

Spanning Tree root guard

Internet Group Management Protocol (IGMP) v1 and v2 snooping

IGMP querier

Filtering for 256 multicast groups

LAYER 3 SWITCHING

Hardware based routing

256 static routes, in addition to default address

Address Resolution Protocol (ARP) entries: 8K dynamic, 1K static

64 IP interfaces

Routing Information Protocol (RIP), v1 and v2: 2K routes

Open Shortest Path First (OSPF):

- 8 areas with 8 virtual interfaces per area
- 40 neighbors per virtual interface
- Eight virtual links

Protocol Independent Multicast-Dense Mode (PIM-DM)

Protocol Independent Multicast-Sparse Mode (PIM-SM)

IGMP v1 and v2

Equal Cost Multipath Protocol (ECMP); up to three ECMP instances

Multicast VLAN Registration (MVR)

Dynamic Host Configuration Protocol Relay (DHCP Relay): 8 K max.

3Com XRN® Technology:

- High-bandwidth 96 Gbps resilient stacking links
- Distributed Link Aggregation, hot-swappable switch units; high-speed fully resilient trunks up to 40 Gbps
- Distributed Resilient Routing: optimized Layer 3, one routing table per switch

Virtual Router Redundancy Protocol (VRRP)

CONVERGENCE

8 hardware queues per port

IEEE 802.1p Class of Service/Quality of Service (CoS/QoS) on ingress and egress

Remarking of packets based on priority:

- Type of Service (ToS)
- IEEE 802.1p CoS
- IP precedence
- Physical port
- Source/destination MAC address
- VLAN information
- Ethertype
- Source/destination IP address
- Source/destination TCP port
- Source/destination UDP port

Traffic redirection

Time-based Access Control Lists (ACLs)

Auto-prioritization of voice traffic

determined by vendor OUI

Weighted Round Robin (WRR), including WRR+SP

Weighted Fair Queuing (WFQ), including WFQ + SP

Strict Priority Queuing (SP)

DiffServ Code Point Expedited Forwarding (DSCP EF) remarking for prioritization of VoIP traffic

Application rate limiting and blocking on ingress

Port-based traffic shaping on egress

IEEE 802.3af Power over Ethernet standards-compliant (PWR models)

POE (PWR MODELS ONLY)

IEEE 802.3af PoE injection into Cat5 or 5e LAN wiring (300 W total max.)

Supports all standard and most common pre-standard phones, access points and other PoE devices from selected vendors (Cisco, Nortel, Philips, Siemens, Avaya, NEC, Polycom, Pingtel, Proxim, et. al.)

Available standards-based supplemental power system enables full 15.4 W to all PoE ports in a switch or stack

SECURITY

IEEE 802.1X Network login user authentication:

- Local, RADIUS, or TACACS+ server authentication
- PAP, CHAP, EAP over LAN (EAPoL), EAP-TLS/TTLS and PEAP
- Automatic port assignment of VLANs, ACLs and QoS profile based on user
- Multiple users per port
- 1,024 users per fabric
- Guest VLAN option
- Multiple authentication server realm definitions

RADIUS/TACACS+ session accounting RADIUS Authenticated Device Access (RADA): authenticate devices based on MAC address against RADIUS server or local database; assign VLAN ID and ACL through RADIUS

Combined MAC and IEEE 802.1X authentication on same port

DHCP Tracker

DHCP snooping, including DHCP Trust

Wirespeed packet filtering in hardware

ACLs filter at Layers 2, 3 and 4:

- Source/destination MAC address
- Ethernet type
- Source/destination IP address
- Source/destination TCP port
- Source/destination UDP port

User-defined ACL filters

Port-based MAC address Disconnect Unknown Device (DUD)

IEEE 802.1X or TACACS+ user authentication of switch management on Telnet and console sessions

MD5 cipher-text and clear-text authentication for OSPF v2 and RIP v2 packets and SNMP v3 traffic

Hierarchical management and password protection for management interface and encrypted traffic, with SNMP v3 and SSH v2

4 local user access privilege levels

Trusted management station IP and/or MAC address

STACKING

Up to 448 Gigabit ports, of which 384 are 10/100/1000

Single IP address and management interfaces for stack-wide control

Hot-swappable, resilient stacking

High-bandwidth 96 Gbps resilient stacking links

XRN Stacking Technology of up to eight units high

Distributed Resilient Routing with router tables in all units; no master/slave arrangement

Stack Switch 5500G-EI models only with other like units using XRN Stacking ports

MANAGEMENT

CLI via console or Telnet

Embedded web management interface

System configuration with SNMP v1, 2c and 3

Comprehensive statistics, including ACL/QoS and IP interface

Syslog

Remote Monitoring (RMON) groups statistics, history, alarm and events

DHCP server including options 60, 82 and 184

Supports multiple software images and bank swap, stored in non-volatile memory

1-to-1 port mirroring

Many-to-1 port mirroring

VLAN-to-1 port mirroring

Remote port mirroring

Ability to apply ACL to mirror port and forward only certain traffic types

Detailed alarm and debug information

Front panel indicators for port and unit status information

Supports ping, remote ping and traceroute

Configuration file for backup and restore, stored in non-volatile memory; multiple configuration files available

Backup and restore of software images

Network Time Protocol (NTP)

[†] 2 of these 4 SFP ports are capable of supporting Fast Ethernet fiber, via dual-mode SFP transceivers 3CSFP9-81 and 3CSFP9-82.

SPECIFICATIONS

(CONTINUED)

DHCP Relay and UDP Helper

System file transfer mechanisms:
Xmodem, FTP, Trivial FTP (TFTP),
Secure FTP (SFTP)

3Com management applications:

- 3Com Enterprise Management Suite for flexible, extensible management in advanced enterprise IT environments
- 3Com Network Director for comprehensive, turn-key network management for the enterprise
- 3Com Network Supervisor for basic, turn-key network management for mid-market businesses
- 3Com Network Access Manager for IEEE 802.1X and RADA integration with IAS/Active Directory
- 3Com Switch Manager for virtual clustering support across 3Com switch families

DIMENSIONS

Height: 43.6 mm (1.7 in or 1U)

Width: 440 mm (17.3 in)

Depth: 450 mm (17.7 in)

Weight: varies, depending on PSU installed

POWER SUPPLY

Mode support: AC-only, AC and DC, DC-only operation

Built-in DC power stage for direct connection to -48 V supply

Field-replaceable power supply

AC Line Frequency: 50/60 Hz

Input Voltage: 90-240 VAC

AC current rating: 3.0A max.
(PWR models: 8.0A max.)

DC current rating: 5.5A max.

(PWR 24-port: 12.0A;

PWR 48-port: 19.5A; max.)

Non-PWR models are field-upgradeable to PoE support with installation of PoE-enabled power supply

ENVIRONMENTAL

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

Operating altitude: 0 to 4,572 meters
(0 to 15,000 feet)

Storage temperature: -40° to 70°C
(-40° to 158°F)

Humidity (operating and storage):
10% to 95% non-condensing

Standard: EN 60068 (IEC 68)

Sound pressure level (dBA):

- 48-port: 54.5 decibels
- 48-port PWR: 53.0 decibels
- 24-port: 52.6 decibels
- 24-port PWR: 54.1 decibels
- 24-port SFP: 57.4 decibels

RELIABILITY

(MTBF @ 25°C)

48-port: 25 years (219,000 hours)

48-port PWR: 23 years (201,000 hours)

24-port: 34 years (298,000 hours)

24-port PWR: 31 years (272,000 hours)

24-port SFP: 29 years (256,000 hours)

INDUSTRY STANDARDS SUPPORTED

Ethernet Protocols

IEEE 802.1D (STP)

IEEE 802.1p (CoS)

IEEE 802.1Q (VLANs)

IEEE 802.1s (MSTP)

IEEE 802.1v (Protocol VLANs)

IEEE 802.1w (RSTP)

IEEE 802.1X (Security)

IEEE 802.3 (Ethernet)

IEEE 802.3ab (1000BASE-T)

IEEE 802.3ad (Link Aggregation)

IEEE 802.3ae (10G Ethernet)

IEEE 802.3af (Power over Ethernet)

IEEE 802.3ah (Ethernet in First Mile over Point to Point Fiber - EFMF)

IEEE 802.3i (10BASE-T)

IEEE 802.3u (100BASE-TX/-FX)

IEEE 802.3x (Flow Control)

IEEE 802.3z (1000BASE-X)

Management, including MIBs

Supported

RFC 768 (UDP)

RFC 783 (TFTP)

RFC 791 (IP)

RFC 792 (ICMP)

RFC 793 (TCP)

RFC 826 (ARP)

RFC 1058 (Routing Information Protocol)

RFC 1112 (IP Multicasting)

RFC 1157 (SNMP)

RFC 1213/2233 (MIB II)

RFC 1253 (OSPF Version 2 MIB)

RFC 1583 (OSPF Version 2)

RFC 1587 (OSPF NSSA Option)

RFC 1724 (RIP Version 2 MIB Extension)

RFC 1757 (RMON)

RFC 1812 (Requirements for IPv4 Routers)

RFC 1850 (OSPF Version 2 MIB)

RFC 1907 (SNMP Version 2c MIB)

RFC 2021 (RMON II Probe Config MIB)

RFC 2154 (OSPF Digital Signatures)

RFC 2233 (Interfaces MIB)

RFC 2236 (IGMP V2)

RFC 2328 (OSPF Version 2)

RFC 2338 (VRRP)

RFC 2362 (PIM-SM)

RFC 2571 (FrameWork)

RFC 2571-2575 (SNMP)

RFC 2613 (Remote Network Monitoring MIB Extensions)

RFC 2618 (RADIUS Authentication Client MIB)

RFC 2620 (RADIUS Accounting Client MIB)

RFC 2644 (Restricted Directed Broadcast)

RFC 2665 (Pause Control)

RFC 2674 (VLAN MIB Extension)

RFC 2819 (RMON groups Alarm, Event, History and Statistics only)

RFC 2819 (RMON MIB)

RFC 3414 (SNMP Version 3 USM)

RFC 3415 (SNMP Version 3 VACM)

SNMP v3 and RMON RFC support

EMISSIONS / AGENCY APPROVALS

CISPR 22 Class A

FCC Part 15 Class A

EN 55022 1998 Class A

EN 61000-3-2 2000, 61000-3-3

ICES-003 Class A

VCCI Class A

IMMUNITY

EN 55024

SAFETY AGENCY CERTIFICATIONS

UL 60950

IEC 60950-1

EN 60950-1

CAN/CSA-C22.2 No. 60950-1-03

WARRANTY AND OTHER SERVICES

Limited Lifetime Hardware Warranty, including fans and power supply

Limited Software Warranty for 90 days

Advance Hardware Replacement with Next Business Day shipment in most regions

90 days of telephone technical support

Refer to www.3com.com/warranty

for details.

REDUNDANT POWER SYSTEM

3Com has tested and qualified a Redundant Power System (RPS) solution designed for the Switch 5500 family by Eaton Powerware Corporation, a leading global provider of power quality and management solutions.

The Powerware DC RPS systems come in either 3RU or 6RU form-factors, delivering up to 9,000W of DC power to a stack of Switch 5500 units. The 3RU RPS unit houses up to three hot-swappable rectifiers supplying up to 4,500W of power that supports up to eight separately-fused DC outputs, while the 6RU unit can house up to six hot-swappable rectifiers provisioning a total of 9,000W.

The RPS supports SNMP management, including MIB II, which is easily accessible through the built-in RJ-45 or serial port. It is fully compatible with the IEEE 802.3af Power over Ethernet standard, providing supplemental power for the 3Com Switch 5500G PWR models.

With this RPS, all 384 10/100/1000 ports on a stack of eight Switch 5500G PWR 48-port units can receive the industry standard 15.4W of power per port, with N+1 power redundancy.

The RPS ships with the power input fully configured and can be connected to a UPS with battery backup. For more details, refer to www.3com.com/rps.

ORDERING INFORMATION

PRODUCT DESCRIPTION	3COM SKU
3Com Switch 5500G-EI 24-Port	3CR17250-91
3Com Switch 5500G-EI 48-Port	3CR17251-91
3Com Switch 5500G-EI PWR 24-Port	3CR17252-91
3Com Switch 5500G-EI PWR 48-Port	3CR17253-91
3Com Switch 5500G-EI 24-Port SFP	3CR17258-91

Modules

3Com Switch 5500G-EI 8-Port 1000BASE-X (SFP)	3C17260
3Com Switch 5500G-EI 1-Port 10G (XENPAK)	3C17261
3Com Switch 5500G-EI 2-Port 10G (XFP)	3C17268

Transceivers

3Com 1000BASE-SX SFP	3CSFP91
3Com 1000BASE-LX SFP	3CSFP92
3Com 1000BASE-T SFP	3CSFP93
3Com 1000BASE-LH70 (70 km) SFP	3CSFP97
3Com 100BASE-FX SFP (Dual-Mode) ⁰	3CSFP9-81
3Com 100BASE-LX SFP (Dual-Mode) ⁰	3CSFP9-82
3Com 10GBASE-LX4 XENPAK	3CXENPAK91
3Com 10GBASE-LR XENPAK	3CXENPAK92
3Com 10GBASE-SR XENPAK	3CXENPAK94
3Com 10GBASE-CX4 XENPAK	3CXENPAK95
3Com 10GBASE-ER XENPAK	3CXENPAK96
3Com 10GBASE-LR XFP	3CXFP92
3Com 10GBASE-SR XFP	3CXFP94
3Com 10GBASE-ER XFP	3CXFP96

Spare Components

3Com Switch 5500G-EI PoE PSU 24	3C17264
3Com Switch 5500G-EI PoE PSU 48	3C17265
3Com Switch 5500G-EI PSU 24	3C17266
3Com Switch 5500G-EI PSU 48	3C17267

Cables

3Com Switch 5500G-EI Stacking Cable	3C17262
3Com Switch 5500G-EI 1.2m Stacking Cable	3C17263
3Com Switch 5500G-EI 5m Extended Stacking Cable	3C17269
3Com CX4 Local Connection Cable – 50 cm	3C17775
3Com CX4 Local Connection Cable – 100 cm	3C17776
3Com CX4 Local Connection Cable – 300 cm	3C17777

DC Power System Components[†]

Powerware RPS Rackmount 3-Rectifier System with Load Distribution	APS3-058
Powerware RPS Rackmount 3-Rectifier System with Load and Battery Distribution	APS3-059
Powerware RPS Desktop 3-Rectifier System with Load Distribution	APS3-060
Powerware RPS Desktop 3-Rectifier System with Load and Battery Distribution	APS3-061
Powerware RPS Rackmount 6-Rectifier System with Load Distribution	APS6-058
Powerware RPS Rackmount 6-Rectifier System with Load and Battery Distribution	APS6-059
Powerware RPS 1,500W Rectifier	APR48
Powerware RPS 720W Rectifier	APU48

3Com Global Services

3Com Network Health Check, Installation Services, and Express Maintenance	www.3com.com/services_quote
3Com University Courses	www.3com.com/3comu

⁰ Dual-mode 100BASE-X SFPs provide 100 Mbps fiber connectivity in the last two 1000BASE-X SFP ports of Switch 5500G models.

[†] Provides supplemental or redundant DC power for Switch 5500G PWR models. Available from authorized 3Com resellers. See www.3com.com/rps for details.

Visit www.3com.com for more information about 3Com secure converged network solutions.

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