A-Series A4

Stackable L2/L3 Edge Switch

BENEFITS

BUSINESS ALIGNMENT

- Extreme Networks policy capabilities support converged multimedia networks

- Reliable network operation for mission-critical applications

OPERATIONAL EFFICIENCY

- Scalable architecture supports continued growth of network capacity

- Consolidated management capabilities reduce network operational expenses

- Highly available design ensures reliable network operations

OPERATIONAL EFFICIENCY

- Network access secured by 802.1x, MAC address and web-based authentication methods

- Extreme Networks policy provided enhanced network security that is maintained concurrently with user mobility

- Architecture designed with integral network security

SUPPORT AND SERVICE

- Industry-leading customer satisfaction and first call resolution rates

- Personalized services, including site surveys, network design, installation, and training

- Comprehensive lifetime warranty, including feature upgrades and more

- Release 6.61 adds policy and basic routing with support for two devices (PC and a phone) on a single port

- High-availability design assures reliable network operations

- Now with Extreme Networks policy and basic routing

- PoE supports a variety of network devices

- Investment protection via lifetime warranty

- 140.8 Gbps capacity and 104.8 Mpps

Product Overview

The Extreme Networks A4 is a highly reliable fast Ethernet edge switch that provides scalable, wire-rate performance in support of the bandwidth-intensive and delay-sensitive requirements of today's demanding applications. The A4 also provides multi-layer packet classification and priority queuing for differentiated services. Along with a switch capacity of 17.6 Gbps, the A4 provides up to 48 10/100 Ethernet ports as well as 4 Gigabit Ethernet uplink ports. Leveraging the A4's stacking capability, as many as 8 A4s can be interconnected in a single stack to create a virtual switch that provides 140.8 Gbps of capacity and up to 384 10/100 Ethernet ports as well as 16 Gigabit Ethernet uplink ports.

The A4 includes enterprise-class features in a 10/100 stackable switch that ensure seamless connectivity and application performance. With support for 16,000 MAC addresses, the A4 is an excellent choice for medium to large enterprises that need to support thousands of endpoints. Support for Extreme Networks policy enables strong support for integrated multimedia networks, including Voice over IP (VoIP) and IP video, as well as all types of data-intensive applications. With the 6.61 firmware release, all A4s can now deploy separate policies for both a personal computer and a VoIP phone on a single switch port. In conjunction with its non-blocking L2 switching architecture, the A4's intelligent queuing mechanisms ensure that mission-critical applications receive prioritized access to network resources.

The A4 includes a 24 port model with a very quiet design that operates fan-less in a typical office environment, making it ideal for classrooms and conference rooms.

A highly-scalable architecture, Extreme Networks policy, basic routing and a lifetime warranty ensure that an A4 network investment will sustain a secure, feature-rich, and cost-effective network well into the future.

Security

The A4 provides a secure network by utilizing its authentication and security features, which can be applied at the port level or at the user level. Making use of the Extreme Networks Network Management Suite's Policy Manager or a standard CLI, the Extreme Networks role-based architecture enables a network administrator to define distinct roles or profiles that represent operational groups within a business (e.g., employee, executive, guest, etc). Up to two devices (a PC and a VLA-tagging phone) per port can be authenticated via IEEE 802.1X, MAC address or web-based authentication, and then assigned a pre-defined operational role.

Investment Protection

The A4 is a cost-effective, feature-rich, stackable switch that provides a broad set of features today and will continue to deliver benefits well into the future. With Release 6.61, the A4 now supports static routing as well as RIPv1/v2 routing. All A-Series products include a lifetime warranty that includes warranty and support services for which many competitors charge additional fees – adding up to 10% of initial deployment costs on an annual basis. Included benefits, such as advanced hardware return, firmware feature upgrades (which most vendors cover at most for 90 days) and telephone support (which most don't include or severely limit) combine to significantly decrease operational costs for customers over the life of their network. For more information regarding warranty terms and conditions please go to http://www.ExtremeNetworks. com/support/warranty.aspx.

Performance & Scalability

The A4 provides scalable, wire-rate performance in support of the bandwidth-intensive and delay-sensitive requirements of today's demanding applications. Along with a switch capacity of 17.6 Gbps, the A4 provides up to 48 10/100 Ethernet ports as well as 2 modular Gigabit Ethernet and 2 10/100/10000 uplink ports. Leveraging the A4's wire-rate stacking capability, as many as 8 A4s can be interconnected in a single stack to create a virtual switch that provides 140.8 Gbps of capacity and up to 384 10/100 Ethernet ports as well as 16 Gigabit Ethernet uplink ports.

Features / Standards and Protocols

MAC Address Table Size
16,000

VLANs
4,094 VLAN IDs
1,024 VLAN Entries per Stack

Switching Services
ANSI/TIA-1057 – LLDP-MED
IEEE 802.1AB – LLDP
IEEE 802.1D – MAC Bridges
IEEE 802.1s – Multiple Spanning Trees
IEEE 802.1t – 802.1D Maintenance
IEEE 802.1w – Rapid Spanning Tree
Reconvergence
IEEE 802.3 – Ethernet
IEEE 802.3ab – GE over Twisted Pair
IEEE 802.3ad – Link Aggregation
IEEE 802.3af – PoE
IEEE 802.3i - 10Base-T
IEEE 802.3u - 100Base-T, 100Base-FX
IEEE 802.3z - GE over Fiber
Full/half duplex auto-sense support on all
ports
IGMP Snooping v1/v2/v3
Jumbo Frame support (9,216 bytes)
Loop Protection
One-to-One and Many-to-One Port
Mirroring
Port Description
Protected Ports
Selectable LAG Configuration (6 x 8, 12 x 4,
24 x 2)
CoS MIB based Broadcast/ Multicast/
Unknown Unicast Suppression
Spanning Tree Backup Root
STP Pass Thru

Security
ARP Spoof Protection
DHCP Spoof Protection
IEEE 802.1x Port Authentication
MAC-based Port Authentication
Password Protection (encryption)
Web-based Port Authentication
Dual User Authentication (PC + Phone)
Secure Networks Policy
RADIUS Accounting for network access
RADIUS Client
Secured Shell (SSHv2)
Secured Socket Layer (SSL)

IPv4 Routing
Standard Access Control List (ACLs)
Extended ACLs
VLAN-based ACLs
ARP & ARP Redirect
IP Helper Address
RFC 826 – Ethernet ARP
RFC 1058 – RIP v1
RFC 1256 – ICMP Router Discovery
Messages
RFC 1519 Classless Inter-Domain Routing
RFC 1724 – RIPv2 MIB Extension
RFC 2236 – IGMPv2
RFC 2453 – RIP v2
RFC 3046 – DHCP/BootP Relay
RFC 3376 – IGMPv3
Static Routes

MIB Support
Extreme Networks Entity MIB
Extreme Networks Policy MIB
ANSI/TIA-1057 – LLDP-MED MIB
IEEE 802.1AB – LLDP MIB
Extreme Networks VLAN Authorization
MIB
IEEE 802.1X MIB – Port Access
IEEE 802.3ad MIB – LAG MIB
RFC 826 – ARP and ARP Redirect
RFC 951 – BOOTP
RFC 1213 – MIB/MIB II
RFC 1493 – BRIDGE-MIB
RFC 1542 – DHCP/BOOTP Relay
RFC 1643 – Ethernet-like MIB
RFC 2096 – IP Forwarding Table MIB
RFC 2131, RFC 3046 – DHCP Client/Relay
RFC 2233 – IF-MIB
RFC 2271 – SNMP Framework MIB
RFC 2466 – ICMPv6 MIB
RFC 2571 – SNMP Framework MIB
RFC 2613 – SMON MIB
RFC 2618 – RADIUS Authentication Client
MIB
RFC 2620 – RADIUS Accounting Client MIB
RFC 2668 – Managed Object Definitions
for 802.3 MAUs
RFC 2674 – P-BRIDGE-MIB
RFC 2674 – QBRIDGE-MIB VLAN Bridge MIB
RFC 2737 – Entity MIB (physical branch only)
RFC 2819 – RMON-MIB
RFC 2863 – IF-MIB
RFC 2933 – IGMP MIB
RFC 3413 – SNMP v3 Applications MIB
RFC 3414 – SNMP v3 User-based Security
Module (USM) MIB
RFC 3415 – View-based Access Control
Model for SNMP
RFC 3580 – IEEE 802.1X Remote
Authentication Dial In User Service
(RADIUS) Usage Guidelines
RFC 3584 – SNMP Community MIB
RFC 3621 – Power over Ethernet MIB

VLAN Support
Generic Attribute Registration Protocol
(GARP)
Generic VLAN Registration Protocol
(GVRP)
IEEE 802.1p – Traffic classification
IEEE 802.1q – VLAN Tagging
IEEE 802.1v – Protocol-based VLANs
IEEE 802.3ac – VLAN Tagging Extensions
Port-based VLAN (private port/private
VLAN)
Tagged-based VLAN
VLAN Marking of Mirror Traffic

Management
Alias Port Naming
Command Line Interface (CLI)
Configuration Upload/Download
Dual IPv4/IPv6 Management Support
Editable Text-based Configuration File
FTP/TFTP Client
Multi-configuration File Support
NMS Automated Security Manager
NMS Console
NMS Inventory Manager
NMS Policy Manager

Node/Alias Table
RFC 768 – UDP
RFC 783 – TFTP
RFC 791 – IP
RFC 792 – ICMP
RFC 793 – TCP
RFC 826 – ARP
RFC 854 – Telnet
RFC 951 – BootP
RFC 1157 – SNMP
RFC 1901 – Community-based SNMPv2
RFC 2030 – Simple Network Time Protocol
(SNTP)
RFC 2271 – SNMP Framework MIB
RFC 2465 – IPv6 MIB
RFC 2933 – IGMP MIB
RFC 3413 – SNMP Applications MIB
RFC 3414 – SNMP User-based Security
Module (USM) MIB
RFC 3415 – View-based Access Control
Model for SNMP
RFC 3826 – Advanced Encryption
Standard (AES) for SNMP
RMON (Stats, History, Alarms, Events)
Secure Copy (SCP)
Secure FTP (SFTP)
Simple Network Management Protocol
(SNMP) v1/v2c/v3
TACACS+ for Management Authentication,
Authorization and Auditing
SSHv2
Syslog
Telnet
Text-based Configuration Upload
/Downloand
Web-based Management
Webview via SSL Interface

Quality of Service
6 User Addressable Priority Queues per
Port
802.3x Flow Control
Ingress Rate Limiting
IP ToS/DSCP Marking/Remarking
IP DSCP – Differentiated Services Code
Point
IP Precedence
IP Protocol
Layer 2/3/4 Classification
Multi-layer Packet Processing
Mixed Queuing Control – Strict and
Weighted Round Robin
Source/Destination IP Address
Source/Destination MAC Address

IPv6 Management
RFC 1981 - Path MTU for IPv6
RFC 2373 - IPv6 Addressing
RFC 2460 - IPv6 Protocol Specification
RFC 2461 - Neighbor Discovery
RFC 2462 - Stateless Autoconfiguration
RFC 2463 - ICMPv6
RFC 3587 - IPv6 Global Unicast Address
Format
RFC 4007 - IPv6 Scoped Address
Architecture
RFC 4291 - IP Version 6 Addressing
Architecture

Switch Model Specifications

	A4H124-24	A4H124-24P	A4H124-48	A4H124-48P
Performance				
Throughput Capacity wire-speed Mpps (switch / stack)	9.5 Mpps / 76.2 Mpps	9.5 Mpps / 76.2 Mpps	13.1 Mpps / 104.8 Mpps	13.1 Mpps / 104.8 Mpps
Switching Capacity (switch / stack)	12.8 Gbps (9.5 Mpps) / 102.4 Gbps (76.2 Mpps)	12.8 Gbps (9.5 Mpps) / 102.4 Gbps (76.2 Mpps)	17.6 Gbps (13.1 Mpps) / 140.8 Gbps (104.8 Mpps)	17.6 Gbps (13.1 Mpps) / 140.8 Gbps (104.8 Mpps)
Stacking Capacity (switch / stack)	4.0 Gbps (2.98 Mpps)/32.0 Gbps (23.8 Mpps) No dedicated stacking on A4; Up to two Gigabit uplinks can be used for stacking or uplinks	4.0 Gbps (2.98 Mpps)/32.0 Gbps (23.8 Mpps) No dedicated stacking on A4; up to two Gigabit uplinks can be used for stacking or uplinks	4.0 Gbps (2.98 Mpps)/32.0 Gbps (23.8 Mpps) No dedicated stacking on A4; up to two Gigabit uplinks can be used for stacking or uplinks	4.0 Gbps (2.98 Mpps)/32.0 Gbps (23.8 Mpps) No dedicated stacking on A4; up to two Gigabit uplinks can be used for stacking or uplinks
Aggregate Throughput Capacity (switch / stack)	12.8 Gbps (9.5 Mpps) / 102.4 Gbps (76.2 Mpps)	12.8 Gbps (9.5 Mpps) / 102.4 Gbps (76.2 Mpps)	17.6 Gbps (13.1 Mpps) / 140.8 Gbps (104.8 Mpps)	17.6 Gbps (13.1 Mpps) / 140.8 Gbps (104.8 Mpps)
PoE Specifications				
802.3af Interoperable	N/A	Yes	N/A	Yes
System Power	N/A	370 watts per switch with up to 15.4 watts per port Per-port switch power monitor: • Enable/disable • Priority safety • Overload & short circuit protection	N/A	415 watts per switch with up to 15.4 watts per port Per-port switch power monitor: • Enable/disable • Priority safety • Overload & short circuit protection
Physical Specifications				
Dimensions (H x W x D)	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 20.7 cm (8.15")	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 36.85 cm (14.51")	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 36.85 cm (14.51")	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 36.85 cm (14.51")
Net Weight	2.58 kg (5.69 lb)	5.50 kg (12.13 lb)	4.59 kg (10.12 lb)	6.00 kg (13.23 lb)
MTBF	408,618 hours	286,587 hours	323,946 hours	232,259 hours
Physical Ports	• (24) 10/100 auto-sensing, auto-negotiating MDI/MDI-X RJ45 ports • (2) SFP ports • (2) Gigabit stacking/uplink Rj45 ports • (1) DB9 console port • (1) RPS port	• (24) 10/100 PoE (.af) auto-sensing, auto-negotiating MDI/MDI-X RJ45 ports • (2) SFP ports • (2) Gigabit stacking/uplink Rj45 ports • (1) DB9 console port • (1) RPS port	• (48) 10/100 auto-sensing, auto-negotiating MDI/MDI-X RJ45 ports • (2) SFP ports • (2) Gigabit stacking/uplink Rj45 ports • (1) DB9 console port • (1) RPS port	• (48) 10/100 PoE (.af) auto-sensing, auto-negotiating MDI/MDI-X RJ45 ports • (2) SFP ports • (2) Gigabit stacking/uplink Rj45 ports • (1) DB9 console port • (1) RPS port
Power Requirements				
Normal Input Voltage	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Input Frequency	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Input Current	1.0 A Max	5 A Max	1.0 A Max	5 A Max
Power Consumption	31 watts	63 watts	47 watts	73 watts
Temperature				
IEC 6-2-1 Standard Operating Temperature	0° to 50° C (32° to 122° F)	0° to 50° C (32° to 122° F)	0° to 50° C (32° to 122° F)	0° to 50° C (32° to 122° F)
IEC 6-2-14 Non-Operating Temperature	-40° to 70° C (-40° to 158° F)	-40° to 70° C (-40° to 158° F)	-40° to 70° C (-40° to 158° F)	-40° to 70° C (-40° to 158° F)
Heat Dissipation	105 BTUs/Hr	215 BTUs/Hr	161 BTUs/Hr	249 BTUs/Hr
Humidity				
Operating Humidity	5% - 95% non- condensing	5% - 95% non- condensing	5% - 95% non- condensing	5% - 95% non- condensing
Vibration				
	IEC 68-2-6, IEC68-2-36	IEC 68-2-6, IEC68-2-36	IEC 68-2-6, IEC68-2-36	IEC 68-2-6, IEC68-2-36
Shock				
	IEC 68-2-29	IEC 68-2-29	IEC 68-2-29	IEC 68-2-29
Drop				
	IEC 68-2-32	IEC 68-2-32	IEC 68-2-32	IEC 68-2-32

Switch Model Specifications

	A4H124-24	A4H124-24P	A4H124-48	A4H124-48P
Acoustics				
Throughput Capacity wire-speed Mpps (switch / stack)	41.5 dB when the fan runs	50.0 dB	47.0 dB	50.0 dB
Agency and Regulatory Standard Specifications				
Safety	UL 60950-1, CSA 22.1 60950, EN 60950-1, and IEC 60950-1	UL 60950-1, CSA 22.1 60950, EN 60950-1, and IEC 60950-1	UL 60950-1, CSA 22.1 60950, EN 60950-1, and IEC 60950-1	UL 60950-1, CSA 22.1 60950, EN 60950-1, and IEC 60950-1
EMC	FCC Part 15 (Class A), ICES-003 (Class A), BSMI, VCCI V-3, AS/NZS CISPR 22 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, and EN 61000-3-3	FCC Part 15 (Class A), ICES-003 (Class A), BSMI, VCCI V-3, AS/NZS CISPR 22 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, and EN 61000-3-3	FCC Part 15 (Class A), ICES-003 (Class A), BSMI, VCCI V-3, AS/NZS CISPR 22 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, and EN 61000-3-3	FCC Part 15 (Class A), ICES-003 (Class A), BSMI, VCCI V-3, AS/NZS CISPR 22 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, and EN 61000-3-3
Environmental	2002/95/EC (RoHS Directive), 2002/96/EC (WEEE Directive)	2002/95/EC (RoHS Directive), 2002/96/EC (WEEE Directive)	2002/95/EC (RoHS Directive), 2002/96/EC (WEEE Directive)	2002/95/EC (RoHS Directive), 2002/96/EC (WEEE Directive)

	A4H254-8F8T	A4H124-24FX
Performance		
Throughput Capacity wire-speed Mpps (switch/stack)	8.3 Mpps / 66.7 Mpps	9.5 Mpps / 76.2 Mpps
Switching Capacity (switch/stack)	11.2 Gbps (8.3 Mpps) / 89.6 Gbps (66.7 Mpps)	12.8 Gbps (9.5 Mpps) / 102.4 Gbps (76.2 Mpps)
Stacking Capacity (switch/stack)	4.0 Gbps (2.98 Mpps)/32.0 Gbps (23.8 Mpps) No dedicated stacking ports on the A4; 10/100/1000 can be used for stacking or uplinks	4.0 Gbps (2.98 Mpps)/32.0 Gbps (23.8 Mpps) No dedicated stacking ports on the A4; 10/100/1000 can be used for stacking or uplinks
PoE Specifications		
802.3af Interoperable	N/A	N/A
802.3at Interoperable	N/A	N/A
System Power	N/A	N/A
Physical Specifications		
Dimensions (H x W x D)	H: 4.4 cm (1.73") W: 44 cm (17.32") D: 36.5 cm (14.37")	H: 4.4 cm (1.73") W: 44 cm (17.32") D: 36.5 cm (14.37")
Net Weight	4.78 kg (10.50 lb)	4.85 kg (10.69 lb)
MTBF	388,498 hours	388,135 hours
Physical Ports	• (8) 10/100BASE-T RJ45 ports • (8) 100Base-FX MT-RJ ports • (2) Gigabit Ethernet SFP ports • (2) 10/100/1000 stacking/uplink RJ45 ports • (1) DB9 console port • (1) RPS port	• (24) 100Base-FX MTRJ fiber optic ports • (2) mini-GBIC ports • (2) 10/100/1000 stacking/uplink RJ45 ports • (1) DB9 console port • (1) RPS port
Power Requirements		
Normal Input Voltage	100 – 240 VAC	100 – 240 VAC
Input Frequency	50 – 60 Hz	50 – 60 Hz
Input Current	1.0 A Max	1.0 A Max
Power Consumption	47 watts	66 watts
Temperature		
IEC 6-2-1 Standard Operating Temperature	0° to 50°C (32° to 122° F)	0° to 50°C (32° to 122° F)
IEC 6-2-1 Non-Operating Temperature	-40° to 70°C (-40° to 158° F)	-40° to 70°C (-40° to 158° F)
Heat Dissipation	161 BTUs/Hr	224 BTUs/Hr
Humidity		
Operating Humidity	5% - 95% non- condensing	5% - 95% non- condensing

Extreme® networks

	A4H254-8F8T	A4H124-24FX
Vibration		
	IEC 68-2-6, IEC68-2-36	IEC 68-2-6, IEC68-2-36
Shock		
	IEC 68-2-29	IEC 68-2-29
Drop		
	IEC 68-2-32	IEC 68-2-32
Acoustics		
	50.0 dB	51.5 dB
Agency and Regulatory Standard Specifications		
Safety	UL 60950-1, CSA 22.1 60950, EN 60950-1, and IEC 60950-1	UL 60950-1, CSA 22.1 60950, EN 60950-1, and IEC 60950-1
EMC	FCC Part 15 (Class A), ICES-003 (Class A), BSMI, VCCI V-3, AS/NZS CISPR 22 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, and EN 61000-3-3	FCC Part 15 (Class A), ICES-003 (Class A), BSMI, VCCI V-3, AS/NZS CISPR 22 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, and EN 61000-3-3
Environmental	2002/95/EC (RoHS Directive), 2002/96/EC (WEEE Directive)	2002/95/EC (RoHS Directive), 2002/96/EC (WEEE Directive)

Redundant Power Supply Equipment Specifications

STK-RPS-150CH2 POWER SHELF

Power Supply Slots
2

Dimensions (H x W x D)*
5.5 cm (2.2") x 44.0 cm (17.3") x 18.0 cm (7.0")

Weight
0.95 kg (2.09 lbs)
Note: dimensions include integrated rack mount ears

STK-RPS-150CH8 POWER SHELF

Power Supply Slots
8

Dimensions (H x W x D)*
22.26 cm (8.77") x 44.0 cm (17.3") x 26.4 cm (10.4")

Weight
5.27 kg (11.6 lbs)

STK-RPS-150PS POWER SUPPLY

Dimensions (H x W x D)
19.6 cm (7.7") x 5.2 cm (2.04") x 25.7 cm (10.1")

Net Weight (Unit Only)
1.75 kg (3.85 lbs)

Gross Weight (Packaged Unit)
3.20 kg (7.04 lbs)

MTBF
300,000 hours

Operating Temperature
0° C to 50° C (32° F to 122° F)

Storage Temperature
-30° C to 73° C (-22° F to 164° F)

Operating Relative Humidity
5% to 95%

AC Input Frequency Range
50 – 60 Hz

AC Input Voltage Range
100 – 240 VAC

Maximum Output Power
156 W continuous

STK-RPS-500PS POWER SUPPLY

Dimensions (H x W x D)
4.45 cm (1.75") x 44.5 cm (17.5") x 16.5 cm (6.5")

Net Weight (Unit Only)
3.47 kg (7.63 lb)

Gross Weight (Packaged Unit)
4.95 kg (10.89 lb)

MTBF
589,644 hours at 25° C (77° F)

Operating Temperature
0° C to 50° C (32° F to 122° F)

Storage Temperature
-30° C to 73° C (-22° F to 164° F)

Operating Relative Humidity
5% to 95%

AC Input Frequency Range
50 – 60 Hz

AC Input Voltage Range
100 – 240 VAC

Maximum Output Power
500 W continuous

Ordering Information

Part Number	Description
A4 Switches	
A4H124-24	24 x 10/100, (2) SFP Ports, (2) 10/100/1000 stacking/uplink RJ45 ports, Ext RPS
A4H124-24P	24 x 10/100 PoE (.af), (2) SFP Ports, (2) 10/100/1000 stacking/uplink RJ45 ports, Ext RPS
A4H124-48	48 x 10/100, (2) SFP Ports, (2) 10/100/1000 stacking/uplink RJ45 ports, Ext RPS
A4H124-48P	48 x 10/100 PoE (.af), (2) SFP Ports, (2) 10/100/1000 stacking/uplink RJ45 ports, Ext RPS
A4H124-24FX	24 x 100Base-FX, (2) SFP Ports, (2) 10/100/1000 stacking/uplink RJ45 ports, Ext RPS
A4H254-8F8T	8 x 100Base-FX plus 8 x 10/100, (2) SFP ports, (2) 10/100/1000 stacking/uplink RJ45 ports, Ext RPS
Cables	
SSCON-CAB	Spare DB9 Console Cable
Redundant Power Supplies	
STK-RPS-150CH2	2-slot modular power supply shelf (power supply STK-RPS-150PS sold separately)
STK-RPS-150CH8	8-slot modular power supply shelf (power supply STK-RPS-150PS sold separately)
STK-RPS-150PS	150W Non-PoE redundant power supply
STK-RPS-500PS	500W redundant PoE power supply

Transceivers

Extreme Networks transceivers provide connectivity options for Ethernet over twisted pair copper and fiber optic cables with transmission speeds from 100 Megabits per second to 10 Gigabits per second. All Extreme Networks transceivers meet the highest quality for extended life cycle and the best possible return on investment. For detailed specifications, compatibility and ordering information please go to http://www.ExtremeNetworks.com/products/transceivers-ds.pdf.

Warranty

As a customer-centric company, Extreme Networks is committed to providing quality products and solutions. In the event that one of our products fails due to a defect, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or media replaced as soon as possible.

A-Series switches come with the Extreme Networks lifetime warranty against manufacturing defects. For full warranty terms and conditions please go to: www.ExtremeNetworks.com/support/warranty.aspx.

Service and Support

Extreme Networks provides comprehensive service offerings that range from Professional Services to design, deploy and optimize customer networks, customized technical training, to service and support tailored to individual customer needs. Please contact your Extreme Networks account executive for more information about Extreme Networks Service and Support.

http://www.ExtremeNetworks.com/contact / Phone +1-408-579-2800