

# Enterasys® SecureStack™ A2 Switch

## Secure Fast Ethernet Stackable L2 Switch



High Availability design assures reliable network operations

Granular QoS capabilities support converged multimedia networks

Power over Ethernet (PoE) supports a variety of network devices

Investment protection via Limited Lifetime Warranty

140.8Gbps capacity and 104.8Mpps

### Product Overview

Enterasys' leadership position in the switching market is further enhanced by the Enterasys® SecureStack™ A2 stackable enterprise switch. The SecureStack A2 is a high-performance 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. With support for 8,000 MAC addresses, the A2 is an excellent choice for environments that require complete multilayer switching capabilities and support for high density (10/100, 100Base-FX) Ethernet ports. The A2 is well suited for 100Base-T networks that may also require Gigabit Ethernet uplink connections. In addition to its complete multilayer switching capabilities, the A2 also provides multilayer packet classification and priority queuing for differentiated services. Along with a switch capacity of 17.6Gbps, the A2 provides up to 48 10/100 or 24 100Base-FX Ethernet ports as well as 4 10/100/1000 Ethernet ports for uplink or stacking connections. As many as 8 A2s can be interconnected in a single stack to create a virtual switch that provides 140.8Gbps of capacity and up to 384 10/100 or 192 100Base-FX Ethernet ports as well as 32 10/100/1000 Ethernet ports for uplink or stacking connections.

Robust quality of service (QoS) features enable strong support for integrated multimedia networks, including Voice over IP, video, as well as all types of data-intensive applications. In addition to supporting Diffserv, the A2 provides 4 hardware-based priority queues for each Ethernet port to support a suite of differentiated services with as many as 4 distinct priority levels. The intelligent queuing mechanisms ensure that mission-critical applications receive prioritized access to network resources.

The A2 provides a secure network by utilizing its authentication and security features, which can be applied at the port level or at the user level. The A2 supports a single user/device per port, which can be authenticated via IEEE 802.1X or MAC address.

The SecureStack product line provides high port density in a 1u footprint and is environmentally friendly by design. By maximizing port density within a given amount of rack space, the A2 minimizes its cooling requirements. The A2's overall electrical requirement is further reduced by a low current draw and an extreme tolerance for high environmental temperatures. A highly scalable architecture and a Limited Lifetime Warranty ensures that an A2 network investment will sustain a secure, feature rich and cost-effective network well into the future.

## Benefits

### Business Alignment

- Granular QoS 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
- Security capabilities without the high overhead

### Security

- Network access secured by 802.1x and MAC address authentication methods
- Network security 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
- Limited Lifetime Warranty

**There is nothing more important  
than our customers.**

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## Reliability and Availability

The A2 design incorporates redundancy and failure protection mechanisms complete with automatic failover and recovery capabilities to provide a reliable, high availability network. An integral power supply is the primary source of power for the A2 and complete power redundancy is provided by an optional external power supply. In addition to the standard version of the A2, there is also a redundant Power over Ethernet (PoE) version of the A2 which supports network devices that require external power such as wireless access points, VoIP phones and network cameras. A virtual switch can be created by interconnecting as many as 8 A2s in a single stack, which can be managed via a single IP address with redundant management connections. The A2's closed-loop stacking (CLS) capability utilizes bidirectional switch interconnects to maintain connectivity within the virtual switch despite any physical switch-level failure. Up to 4 Ethernet ports can be grouped together to create a 4Gbps link aggregation group (LAG). A LAG's Ethernet ports can be collocated on a single A2 or they can be distributed across multiple A2s within a stack to prevent a switch-level failure from disrupting data communications.

## Advanced Quality of Service

Robust quality of service (QoS) features enable strong support for integrated multimedia networks, including Voice over IP, video, as well as all types of data-intensive applications. The A2 provides 4 hardware-based priority queues for each Ethernet port in order to support a suite of differentiated services with as many as 4 distinct priority levels. The strict and weighted round robin queuing algorithms ensure that mission-critical applications receive prioritized access to network resources.

## Security

The A2 provides a secure network by utilizing its authentication and security features, which can be applied at the port level or at the user level. The A2 supports a single user/device per port, which can be authenticated via IEEE 802.1X or MAC address.

## Investment Protection

The A2 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. Customers can grow and/or enhance their networks while protecting their investment by adding A2s into existing A2 networks and/or stacks. When multiple A2s are stacked together, each switch in the stack assumes the feature set that is common to all switches in the stack to ensure operational compatibility. All SecureStack products include a Limited Lifetime Warranty that continues for 5 years after the date of product discontinuation. For more information regarding warranty terms and conditions please go to <http://www.enterasys.com/support/warranty.aspx>.

## Performance & Scalability

The A2 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 17.6Gbps, the A2 provides up to 48 10/100 or 24 100Base-FX Ethernet ports as well as 4 10/100/1000 Ethernet ports for uplink or stacking connections. As many as 8 A2s can be interconnected in a single stack to create a virtual switch that provides 140.8Gbps of capacity and up to 384 10/100 or 192 100Base-FX Ethernet ports as well as 32 10/100/1000 Ethernet ports for uplink or stacking connections.

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# Standards and Protocols

## MAC Address Table Size

8,000

## VLANs

4,096 VLAN IDs

1,024 VLAN entries per stack

## Embedded Services

Ingress Rate Limiting

IP TOS Rewrite

Layer 2/3/4 classification

Multilayer Packet Processing

## Switching Services

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 – 10Base-T

IEEE 802.3ab – 1000Base-T GE over Twisted Pair

IEEE 802.3ad – Link Aggregation

IEEE 802.3af – PoE

IEEE 802.3u – 100Base-T

IGMP Snooping v1/v2

Jumbo Frame support (9,216 bytes)

One-to-One and Many-to-One Port Mirroring

Port Description

Protected Ports

Per-Port Broadcast Suppression

Spanning Tree Backup Root

STP Pass Thru

## VLAN Support

Generic Attribute Registration Protocol (GARP)

Generic VLAN Registration Protocol (GVRP)

IEEE 802.1p – Traffic Management/ Mapping to 4 queues

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

## Quality of Service

4 priority queues per port

802.3x Flow Control

IP DSCP – DiffServ Code Point

IP precedence

IP protocol

Queuing Control – Strict and Weighted Round Robin

Source/Destination IP address

Source/Destination MAC address

## Security

IEEE 802.1x Port Authentication

MAC-Based Port Authentication

Password Protection (encryption)

RADIUS Client

Secured Shell (SSHv2)

Secured Socket Layer (SSL)

## RFC and MIB Support

Enterasys Entity MIB

Enterasys VLAN Authorization MIB

IEEE 802.1X MIB – Port Access

IEEE 802.3ad MIB – LAG MIB

RFC 826 – ARP and ARP Redirect

RFC 951, RFC 1542 – DHCP/BOOTP relay

RFC 1213 – RFC 1213-MIB/MIB II

RFC 1493 – BRIDGE-MIB

RFC 1643 – Ethernet-like MIB

RFC 2131, RFC 3046 – DHCP client/relay

RFC 2233 – IF-MIB

RFC 2271 – SNMP Framework 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 3289 – DiffServ MIB

RFC 3413 – SNMP Applications MIB

RFC 3414 – SNMP Usn 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

# Switch Model Specifications

	A2H254-16	A2H123-24	A2H124-24FX
<b>Performance</b>			
Throughput Capacity wire-speed Mpps (switch / stack)	8.3Mpps / 66.7Mpps	6.8Mpps / 54.8Mpps	9.5Mpps / 76.2Mpps
Switching Capacity (switch / stack)	11.2Gbps / 89.6Gbps	9.2Gbps / 73.6Gbps	12.8Gbps / 102.4Gbps
Stacking Capacity (switch / stack)	No dedicated stacking ports on A2; 10/100/1000 can be used for stacking or uplinks	No dedicated stacking ports on A2; 10/100/1000 can be used for stacking or uplinks	No dedicated stacking ports on A2; 10/100/1000 can be used for stacking or uplinks
Aggregate Throughput Capacity (switch / stack)	11.2Gbps / 89.6Gbps	9.2Gbps / 73.6Gbps	12.8Gbps / 102.4Gbps
<b>Electrical Specifications</b>			
PoE Class 3	N/A	N/A	N/A
PoE Class 2	N/A	N/A	N/A
PoE per port	N/A	N/A	N/A
802.3af Compliance	N/A	N/A	N/A
<b>Physical Specifications</b>			
Dimensions (H x W x D)	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 21.0 cm (8.27")	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 21.0 cm (8.27")	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 21.0 cm (8.27")
Net Weight	2.61 kg (5.75 lb)	2.61 kg (5.75 lb)	2.7 kg (5.94 lb)
MTBF	105,790 hours	121,739 hours	53,501 hours
Physical Ports	<ul style="list-style-type: none"> <li>• (8) 10/100 auto-sensing, auto-negotiating, MDI/MDI-X, RJ45 ports</li> <li>• (8) 100Base-FX MTRJ fiber optic ports</li> <li>• (2) mini-GBIC ports</li> <li>• (2) 10/100/1000 stacking/uplink RJ45 ports</li> <li>• (1) DB9 console port</li> <li>• (1) RPS port</li> </ul>	<ul style="list-style-type: none"> <li>• (24) 10/100 auto-sensing, auto-negotiating, MDI/MDI-X, RJ45 ports</li> <li>• (2) 100Base-FX MTRJ fiber optic ports</li> <li>• (2) 10/100/1000 stacking/uplink RJ45 ports</li> <li>• (1) DB9 console port</li> <li>• (1) RPS port</li> </ul>	<ul style="list-style-type: none"> <li>• (24) 100Base-FX MTRJ fiber optic ports</li> <li>• (2) mini-GBIC ports</li> <li>• (2) 10/100/1000 stacking/uplink RJ45 ports</li> <li>• (1) DB9 console port</li> <li>• (1) RPS port</li> </ul>
<b>Power Requirements</b>			
Nominal Input Voltage	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Input Frequency	50 – 60Hz	50 – 60Hz	50 – 60Hz
Input Current	0.5A @ 110V, 0.47A @ 220V	0.5A @ 110V, 0.47A @ 220V	1.0A @ 110V
Power Consumption	59 watts	31 watts	
<b>Temperature</b>			
IEC 6-2-1 Standard Operating Temperature	0° to 40° C (32° to 104° F)	0° to 40° C (32° to 104° F)	0° to 40° C (32° to 104° 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)
Heat Dissipation	124 BTUs/Hr	106 BTUs/Hr	174 BTUs/Hr
<b>Humidity</b>			
Operating Humidity	5% - 95% non-condensing	5% - 95% non-condensing	5% - 95% non-condensing
<b>Vibration</b>			
	IEC 68-2-6, IEC68-2-36	IEC 68-2-6, IEC68-2-36	IEC 68-2-6, IEC68-2-36
<b>Shock</b>			
	IEC 68-2-29	IEC 68-2-29	IEC 68-2-29
<b>Drop</b>			
	IEC 68-2-32	IEC 68-2-32	IEC 68-2-32
<b>Agency and Regulatory Standard Specifications</b>			
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
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

## Switch Model Specifications (cont)

	A2H124-24	A2H124-24P	A2H124-48	A2H124-48P
<b>Performance</b>				
Throughput Capacity wire-speed Mpps (switch / stack)	9.5Mpps / 76.2Mpps	9.5Mpps / 76.2Mpps	13.1Mpps / 104.8Mpps	13.1Mpps / 104.8Mpps
Switching Capacity (switch / stack)	12.8Gbps / 102.4Gbps	12.8Gbps / 102.4Gbps	17.6Gbps / 140.8Gbps	17.6Gbps / 140.8Gbps
Stacking Capacity (switch / stack)	No dedicated stacking ports on A2; 10/100/1000 can be used for stacking or uplinks	No dedicated stacking ports on A2; 10/100/1000 can be used for stacking or uplinks	No dedicated stacking ports on A2; 10/100/1000 can be used for stacking or uplinks	No dedicated stacking ports on A2; 10/100/1000 can be used for stacking or uplinks
Aggregate Throughput Capacity (switch / stack)	12.8Gbps / 102.4Gbps	12.8Gbps / 102.4Gbps	17.6Gbps / 140.8Gbps	17.6Gbps / 140.8Gbps
<b>Electrical Specifications</b>				
PoE Class 3	N/A	370 watts	N/A	370 watts
PoE Class 2	N/A	N/A	N/A	N/A
PoE per port	N/A	15.4 watts (Class 1)	N/A	7.5 watts (Class 2)
802.3af Compliance	N/A	Yes	N/A	Yes
Miscellaneous	N/A	System power monitor Per Port: • Enable/disable • Priority safety • Overload & short circuit protection	N/A	System power monitor Per Port: • Enable/disable • Priority safety • Overload & short circuit protection
<b>Physical Specifications</b>				
Dimensions (H x W x D)	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")	H: 4.4 cm (1.73") W: 44.1 cm (17.36") D: 36.85 cm (14.51")
Net Weight	2.61 kg (5.75 lb)	5.78 kg (12.73 lb)	4.73 kg (10.42 lb)	6.39 kg (14.08 lb)
MTBF	124,279 hours	201,377 hours	115,219 hours	169,150 hours
Physical Ports	<ul style="list-style-type: none"> <li>• (24) 10/100 auto-sensing, auto-negotiating, MDI/MDI-X, RJ45 ports</li> <li>• (2) mini-GBIC ports</li> <li>• (2) 10/100/1000 stacking/uplink RJ45 ports</li> <li>• (1) DB9 console port</li> <li>• (1) RPS port</li> </ul>	<ul style="list-style-type: none"> <li>• (24) 10/100 PoE auto-sensing, auto-negotiating, MDI/MDI-X, RJ45 ports</li> <li>• (2) mini-GBIC ports</li> <li>• (2) 10/100/1000 stacking/uplink RJ45 ports</li> <li>• (1) DB9 console port</li> <li>• (1) RPS port</li> </ul>	<ul style="list-style-type: none"> <li>• (48) 100Base-FX MTRJ fiber optic ports</li> <li>• (2) mini-GBIC ports</li> <li>• (2) 10/100/1000 stacking/uplink RJ45 ports</li> <li>• (1) DB9 console port</li> <li>• (1) RPS port</li> </ul>	<ul style="list-style-type: none"> <li>• (48) 10/100 PoE auto-sensing, auto-negotiating, MDI/MDI-X, RJ45 ports</li> <li>• (2) mini-GBIC ports</li> <li>• (2) 10/100/1000 stacking/uplink RJ45 ports</li> <li>• (1) DB9 console port</li> <li>• (1) RPS port</li> </ul>
<b>Power Requirements</b>				
Nominal Input Voltage	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Input Frequency	50 – 60Hz	50 – 60Hz	50 – 60Hz	50 – 60Hz
Input Current	0.5A @ 110V, 0.47A @ 220V	4.1A @ 110V, 2.04A @ 220V	0.82A @ 110V, 0.42A @ 220V	4.23A @ 110V, 2.1A @ 220V
Power Consumption	29 watts	446 watts	45 watts	463 watts
<b>Temperature</b>				
IEC 6-2-1 Standard Operating Temperature	0° to 40° C (32° to 104° F)	0° to 40° C (32° to 104° F)	0° to 40° C (32° to 104° F)	0° to 40° C (32° to 104° 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	99 BTUs/Hr	1,522 BTUs/Hr	154 BTUs/Hr	1,580 BTUs/Hr
<b>Humidity</b>				
Operating Humidity	5% - 95% non-condensing	5% - 95% non-condensing	5% - 95% non-condensing	5% - 95% non-condensing
<b>Vibration</b>				
	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
<b>Shock</b>				
	IEC 68-2-29	IEC 68-2-29	IEC 68-2-29	IEC 68-2-29
<b>Drop</b>				
	IEC 68-2-32	IEC 68-2-32	IEC 68-2-32	IEC 68-2-32

## Switch Model Specifications (cont)

	A2H124-24	A2H124-24P	A2H124-48	A2H124-48P
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

## Redundant Power Supply Equipment Specifications

### C2RPS-CHAS2 SecureStack Power Shelf

#### Power Supply Slots

2

#### Dimensions (H x W x D)\*

48.2 cm (19.0") x 5.5 cm (2.2") x 18.0 cm (7.0")

#### Weight

0.95 kg (2.09 lbs)

*Note: dimensions include integrated rack mount ears*

### C2RPS-CHAS8 SecureStack Power Shelf

#### Power Supply Slots

8

#### Dimensions (H x W x D)\*

44.0 cm (117.3") x 22.26 cm (8.77") x 26.4 cm (10.4")

#### Weight

5.27 kg (11.6 lbs)

### C2RPS-PSM 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

5° C to 40° C (41° F to 104° F)

#### Storage Temperature

-30° C to 73° C (-22° F to 164° F)

#### Operating Relative Humidity

10% to 90%

#### AC Input Frequency Range

50-60 Hz

#### AC Input Voltage Range

100 - 240 VAC

#### Maximum Output Power

156 W continuous

### C2RPS-POE 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 lbs)

#### Gross Weight (Packaged Unit)

4.95 kg (10.89 lbs)

#### MTBF

589,644 hours at 25° C (77° F)

#### Operating Temperature

5° C to 40° C (41° F to 104° F)

#### Storage Temperature

-30° C to 73° C (-22° F to 164° F)

#### Operating Relative Humidity

10% to 90%

#### AC Input Frequency Range

50-60 Hz

#### AC Input Voltage Range

100 - 240 VAC

#### Maximum Output Power

500 W continuous

## Ordering Information

SecureStack A2 Switches	
Part Number	Description
A2H254-16	SecureStack A2 with (8) 10/100 RJ45 ports, (8) 100Base-FX MTRJ ports, (2) mini-GBIC ports, and (2) 10/100/1000 stacking/uplink RJ45 ports. Total active ports per switch: all 20 ports.
A2H123-24	SecureStack A2 with (24) 10/100 RJ45 ports, (2) 100Base-FX MTRJ ports, and (2) 10/100/1000 stacking/uplink RJ45 ports. Total active ports per switch: all 28 ports.
A2H124-24FX	SecureStack A2 with (24) 100Base-FX MTRJ ports, (2) mini-GBIC ports, and (2) 10/100/1000 stacking/uplink RJ45 ports. Total active ports per switch: all 28 ports.
A2H124-24	SecureStack A2 with (24) 10/100 RJ45 ports, (2) mini-GBIC ports, and (2) 10/100/1000 stacking/uplink RJ45 ports. Total active ports per switch: all 28 ports.
A2H124-24P	SecureStack A2 with (24) 10/100 PoE RJ45 ports, (2) mini-GBIC ports, and (2) 10/100/1000 stacking/uplink RJ45 ports. Total active ports per switch: all 28 ports.
A2H124-48	SecureStack A2 with (48) 10/100 RJ45 ports, (2) mini-GBIC ports, and (2) 10/100/1000 stacking/uplink RJ45 ports. Total active ports per switch: all 52 ports.
A2H124-48P	SecureStack A2 with (48) 10/100 PoE RJ45 ports, (2) mini-GBIC ports, and (2) 10/100/1000 stacking/uplink RJ45 ports. Total active ports per switch: all 52 ports.
Cables	
SSCON-CAB	SecureStack Console Cable (for use on all A2, B2, B3, C2, and C3 switches)
MGBIC Modules	
MGBIC-02	Mini-GBIC with 1000Base-T via RJ45 Connector
MGBIC-08	Mini-GBIC with 1000Base-LX/LH (70KM Long Haul) SMF via LC Connector
MGBIC-LC01	Mini-GBIC with 1000Base-SX via LC Connector
MGBIC-LC03	Mini-GBIC with 1000Base-LX/LH (2KM Long Haul) MMF via LC Connector
MGBIC-LC09	Mini-GBIC with 1000Base-LX via LC Connector
MGBIC-MT01	Mini-GBIC with 1000Base-SX via MTRJ Connector
SecureStack Redundant Power Supply Equipment	
C2RPS-CHAS2	SecureStack 2-slot RPS chassis (supports up to 2 C2RPS-PSMs)
C2RPS-CHAS8	SecureStack 8-slot RPS chassis (supports up to 8 C2RPS-PSMs)
C2RPS-PSM	SecureStack 150-watt redundant Non-PoE power supply with one DC cable
C2RPS-SYS	SecureStack 8-slot RPS chassis plus 1 C2RPS-PSM (chassis supports up to 8 C2RPS-PSMs)
C2RPS-POE	SecureStack 500-watt redundant PoE power supply with one DC cable

## Warranty

As a customer-centric company, Enterasys 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.

SecureStack A2 switches come with a Limited Lifetime Warranty against manufacturing defects. Software warranties are ninety (90) days, and cover defects in media only. For full warranty terms and conditions please go to: [www.enterasys.com/support/warranty.aspx](http://www.enterasys.com/support/warranty.aspx).

## Service and Support

Enterasys 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 Enterasys account executive for more information about Enterasys Service and Support.

## Contact Us

For more information, call Enterasys Networks toll free at 1-877-801-7082, or +1-978-684-1000 and visit us on the Web at [enterasys.com](http://enterasys.com)



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Patented Innovation

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