

Enterasys® SecureStack™ C3 Switch

Secure, Policy-based Gigabit Ethernet Stackable L2/L3/L4 Edge Switch



Product Overview

Enterasys' leadership position in the switching market is further enhanced by the Enterasys SecureStack™ C-Series stackable enterprise switches. The SecureStack C3 is a high-performance Gigabit 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 16,000 MAC addresses, the C3 is an excellent choice for environments that require complete multilayer switching capabilities and support for high density 10/100/1000 Ethernet ports, 10GE ports, and dynamic routing capabilities. The C3 is well suited for Gigabit Ethernet networks as well as 100Base-T networks that are about to migrate to a predominantly Gigabit Ethernet network with 10GE and/or dynamic IPv4 / IPv6 routing requirements. In addition to its complete multilayer switching capabilities, the C3 also provides both IPv4 and IPv6 routing as well as multicast routing protocols. Along with a switch capacity of 192Gbps, the C3 provides up to 48 10/100/1000 Ethernet ports as well as 2 10GE uplink ports. As many as 8 C3s can be interconnected in a single stack to create a virtual switch that provides 1.54Tbps of capacity and up to 384 10/100/1000 Ethernet ports as well as 16 10GE uplink ports.

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 C3's highly customizable Layer 2/3/4 packet classification capabilities work together with the 8 hardware-based priority queues associated with each Ethernet port to support a suite of differentiated services with as many as 8 distinct priority levels. The intelligent queuing mechanisms ensure that mission-critical applications receive prioritized access to network resources.

The C3 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 NetSight® Policy Manager or a standard CLI, the SecureStack 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 3 discrete users/devices per port are authenticated via IEEE 802.1X, MAC address, or web authentication, and then assigned a predefined operational role. Network operations can be easily tailored to meet business-oriented requirements by providing each role with individualized access to network services and applications (e.g., a guest should have different network access privileges than an employee).

High Availability design assures reliable network operations

Granular QoS capabilities support converged multimedia networks

Aligns network resource utilization with business goals and priorities

PoE and IPv4 & IPv6 routing support a variety of networks and devices

Investment protection via Limited Lifetime Warranty

1.54Tbps capacity and 571.2Mpps

Benefits

Business Alignment

- Granular QoS capabilities support converged multimedia networks
- Aligns network resource utilization with business goals and priorities
- 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 resources securely allocated according to user roles
- 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.

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 C3 minimizes its cooling requirements. The C3'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 C3 network investment will sustain a secure, feature rich and cost-effective network well into the future.

Reliability and Availability

The C3 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 C3 and complete power redundancy is provided by an optional external power supply. In addition to the standard version of the C3, there is also a redundant Power over Ethernet (PoE) version of the C3 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 C3s in a single stack, which can be managed via a single IP address with redundant management connections. The C3'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 8 Ethernet ports can be grouped together to create an 8Gbps link aggregation group (LAG). A LAG's Ethernet ports can be collocated on a single C3 or they can be distributed across multiple C3s within a stack to prevent a switch-level failure from disrupting data communications. The C3 also supports equal cost multipath protocol (ECMP) and virtual router redundancy protocol (VRRP) to strengthen its ability to quickly recover from a network failure.

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 C3 provides highly customizable Layer 2/3/4 packet classification capabilities, which can be based upon physical port ID, MAC address, IP subnet, IP address, IP protocol type, IP type of service (ToS), differentiated service code point (DSCP), and TCP/UDP port. The C3 provides 8 hardware-based priority queues per Ethernet port, which work together with its packet classification capabilities to support a suite of differentiated services with as many as 8 distinct priority levels. The strict and weighted round robin queuing algorithms ensure that mission-critical applications receive prioritized access to network resources.

Security

The C3 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 NetSight® Policy Manager or a standard CLI, the SecureStack 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 3 discrete users/devices per port are authenticated via IEEE 802.1X, MAC address, or web authentication, and then assigned a predefined operational role. In addition, the C3 also supports both standard and extended access control lists (ACLs) for supplementary network security. Network operations can be easily tailored to meet business-oriented requirements by providing each role with individualized access to network services and applications (e.g., a guest should have different network access privileges than an employee).

Investment Protection

The C3 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 C3s into existing C-Series networks and/or stacks. When multiple C3s 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 C3 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 192Gbps, the C3 provides up to 48 10/100/1000 Ethernet ports as well as 2 10GE uplink ports. As many as 8 C3s can be interconnected in a single stack to create a virtual switch that provides 1.54Tbps of capacity and up to 384 10/100/1000 Ethernet ports as well as 16 10GE uplink ports. The C3 supports as many as 768 distinct policies (rules) that enable granular definition of network access capabilities for each role, thus aligning network resource utilization with business goals and priorities.

Standards and Protocols

MAC Address Table Size

16,000

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 802.3ae – 10-Gigabit Ethernet

IEEE 802.3af – PoE

IEEE 802.3u – 100Base-T

IEEE 802.3z – 1000Base-X GE over Fiber

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 8 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

8 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

Dynamic and Static MAC Locking

EAP Pass Thru

IEEE 802.1x Port Authentication

IP Helper Address - Forward up to

6 manual settings

MAC-Based Port Authentication

RADIUS Accounting for MAC Authentication

RADIUS Client

RFC 3580 – Dynamic VLAN Assignment

RFC 3580 – Multi-user authentication per
gigabit port

Password Protection (encryption)

Secure Networks policy license

Secured Shell (SSHv2)

Secured Socket Layer (SSL)

User and IP Phone Authentication

Web-Based Port Authentication

IPv4 Routing & Multicast

ARP & ARP Redirect

DCHP/BOOTP Relay

DVMRP

IP Helper Address - Forward up to

6 manual settings

RFC 826 – Ethernet ARP

RFC 1058 – RIP v1

RFC 1256 – ICMP Router Discovery Messages

RFC 1583, RFC 2328 – OSPF2

RFC 1724 – RIPv2 MIB Extension

RFC 1850 – OSPF MIB

RFC 2236 – IGMPv2

RFC 2338 – IP Redundancy VRRP

RFC 2362 – PIM-SM

RFC 2453 – RIP v2

RFC 2787 – VRRP MIB

RFC 2863 – The Interfaces Group MIB

RFC 2933 – IGMP MIB

RFC 2934 – PIM MIB for IPv4

RFC 3046 – DHCP/BootP Relay

RFC 3768 – VRRP – Virtual Router

Redundancy Protocol

Static Routes

IPv6 Routing

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 2464 – IPv6 over Ethernet

RFC 2473 – Generic Packet Tunneling in IPv6

RFC 2711 – IPv6 Router Alert

RFC 2740 – OSPFv3

RFC 2893 – Transition Mechanisms for IPv6

Hosts and Routers (6 over 4 configured)

RFC 3315 – DHCPv6 (stateless + relay)

RFC 3484 – Default Address Selection for IPv6

RFC 3493 – Basic Socket Interface for IPv6

RFC 3513 – Addressing Architecture for IPv6

RFC 3542 – Advanced Sockets API for IPv6

RFC 3587 – IPv6 Global Unicast

Address Format

RFC 3736 – Stateless DHCPv6

Dual IPv4/IPv6 TCP/IP Stack

RFC and MIB Support

Enterasys Entity MIB

Enterasys Policy MIB (Optional License)

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 2465 – IPv6 MIB

RFC 2466 – ICMPv6 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 2787 – VRRP-MIB

RFC 2819 – RMON-MIB

RFC 2863 – IF-MIB

RFC 2933 – IGMP MIB

RFC 3289 – DIFFSERV-MIB

RFC 3413 – SNMP Applications MIB

RFC 3414 – SNMP 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

Standards and Protocols (cont.)

Management

Alias Port Naming	NetSight Inventory Manager	SNMPv3
Command Line Interface	NetSight Policy Manager	RFC 3415 – View-based Access Control Model for SNMP
Configuration Upload/Download	Node/Alias Table	RMON (Stats, History, Alarms, Events)
Editable Configuration File	RFC 854 – Telnet	Simple Network Time Protocol (SNTP)
FTP/TFTP client	RFC 1157 – SNMP	Syslog
Multi configuration File Support	RFC 1901 – Community-based SNMPv2	Telnet with SSH
NetSight Automated Security Manager	RFC 2271 – SNMP Framework MIB	Text-based Configuration Upload/Download
NetSight Console	RFC 3413 – SNMPv3 Applications	Webview via SSL Interface
	RFC 3414 – User-based Security Model for	

Switch Model Specifications

	C3G124-24	C3G124-24P	C3G124-48	C3G124-48P
Performance				
Throughput Capacity wire-speed Mpps (switch / stack)	35.7Mpps / 285.7Mpps	35.7Mpps / 285.7Mpps	71.4Mpps / 571.2Mpps	71.4Mpps / 571.2Mpps
Switching Capacity (switch / stack)	48Gbps / 384Gbps	48Gbps / 384Gbps	96Gbps / 768Gbps	96Gbps / 768Gbps
Stacking Capacity (switch / stack)	96Gbps / 768Gbps	96Gbps / 768Gbps	96Gbps / 768Gbps	96Gbps / 768Gbps
Aggregate Throughput Capacity (switch / stack)	144Gbps / 1.15Tbps	144Gbps / 1.15Tbps	192Gbps / 1.54Tbps	192Gbps / 1.54Tbps
Electrical Specifications				
PoE Class 3	N/A	369.6 watts	N/A	N/A
PoE Class 2	N/A	N/A	N/A	375 watts
PoE per port	N/A	15.4 watts	N/A	7.8 watts
802.3af Compliance	N/A	Yes	N/A	Yes
Miscellaneous	N/A	System power monitor Per Port: <ul style="list-style-type: none"> • Enable/disable • Priority safety • Overload & short circuit protection 	N/A	System power monitor Per Port: <ul style="list-style-type: none"> • 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: 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	5.05 kg (11.11 lb)	6.25 kg (13.75 lb)	5.35 kg (11.77 lb)	6.55 kg (14.41 lb)
MTBF	160,505 hours	114,280 hours	106,916 hours	79,905 hours
Physical Ports	<ul style="list-style-type: none"> • (24) 10/100/1000 auto-sensing, auto-negotiating, MDI/MDI-X RJ45 ports • (4) mini-GBIC combo ports • (2) dedicated stacking ports • (1) DB9 console port • (1) RPS port 	<ul style="list-style-type: none"> • (24) 10/100/1000 PoE auto-sensing, auto-negotiating, MDI/MDI-X RJ45 ports • (4) mini-GBIC combo ports • (2) dedicated stacking ports • (1) DB9 console port • (1) RPS port 	<ul style="list-style-type: none"> • (48) 10/100/1000 auto-sensing, auto-negotiating, MDI/MDI-X RJ45 ports • (4) mini-GBIC combo ports • (2) dedicated stacking ports • (1) DB9 console port • (1) RPS port 	<ul style="list-style-type: none"> • (48) 10/100/1000 PoE auto-sensing, auto-negotiating, MDI/MDI-X RJ45 ports • (4) mini-GBIC combo ports • (2) dedicated stacking ports • (1) DB9 console port • (1) RPS port
Power Requirements				
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	0.6A @ 110V, 0.4A @ 220V	4.9A @ 110V, 2.5A @ 220V	1.3A @ 110V, 0.7A @ 220V	5.3A @ 110V, 2.9A @ 220V
Power Consumption	66 watts	539 watts	143 watts	583 watts

Switch Model Specifications (cont.)

	C3G124-24	C3G124-24P	C3G124-48	C3G124-48P
Temperature				
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	294 BTUs/Hr	1,451 BTUs/Hr	441 BTUs/Hr	1,670 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
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

	C3K122-24	C3K122-24P	C3K172-24
Performance			
Throughput Capacity wire-speed Mpps (switch / stack)	65.5Mpps / 523.8Mpps	65.5Mpps / 523.8Mpps	65.5Mpps / 523.8Mpps
Switching Capacity (switch / stack)	88Gbps / 704Gbps	88Gbps / 704Gbps	88Gbps / 704Gbps
Stacking Capacity (switch / stack)	96Gbps / 768Gbps	96Gbps / 768Gbps	96Gbps / 768Gbps
Aggregate Throughput Capacity (switch / stack)	184Gbps / 1.47Tbps	184Gbps / 1.47Tbps	184Gbps / 1.47Tbps
Electrical Specifications			
PoE Class 3	N/A		N/A
PoE Class 2	N/A		N/A
PoE per port	N/A		N/A
802.3af Compliance	N/A	Yes	N/A
Miscellaneous	N/A	System power monitor Per Port: <ul style="list-style-type: none"> • Enable/disable • Priority safety • Overload & short circuit protection 	N/A

Switch Model Specifications (cont.)

	C3K122-24	C3K122-24P	C3K172-24
Physical Specifications			
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")
Net Weight			
MTBF			
Physical Ports	<ul style="list-style-type: none"> • (24) 10/100/1000 auto-sensing, auto-negotiating, MDI/MDI-X RJ45 ports • (4) mini-GBIC combo ports • (1) Expansion slot • (2) dedicated stacking ports • (1) DB9 console port • (1) RPS port 	<ul style="list-style-type: none"> • (24) 10/100/1000 PoE auto-sensing, auto-negotiating, MDI/MDI-X RJ45 ports • (4) mini-GBIC combo ports • (1) Expansion slot • (2) dedicated stacking ports • (1) DB9 console port • (1) RPS port 	<ul style="list-style-type: none"> • (24) mini-GBIC ports • (1) Expansion slot • (2) dedicated stacking ports • (1) DB9 console port • (1) RPS port
Power Requirements			
Nominal Input Voltage	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Input Frequency	50 – 60Hz	50 – 60Hz	50 – 60Hz
Input Current			
Power Consumption			
Temperature			
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			
Humidity			
Operating Humidity	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
Shock			
	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
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
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

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 C3 Switches	
Part Number	Description
C3G124-24	SecureStack C3 with (24) 10/100/1000 RJ45 ports, (4) mini-GBIC combo ports, and (2) dedicated stacking ports. Total active ports per switch: (24) Gigabit ports.
C3G124-24P	SecureStack C3 with (24) 10/100/1000 PoE RJ45 ports, (4) mini-GBIC combo ports, and (2) dedicated stacking ports. Total active ports per switch: (24) Gigabit ports.
C3G124-48	SecureStack C3 with (48) 10/100/1000 RJ45 ports, (4) mini-GBIC combo ports, and (2) dedicated stacking ports. Total active ports per switch: (48) Gigabit ports.
C3G124-48P	SecureStack C3 with (48) 10/100/1000 PoE RJ45 ports, (4) mini-GBIC combo ports, and (2) dedicated stacking ports. Total active ports per switch: (48) Gigabit ports.
C3K122-24	SecureStack C3 with (24) 10/100/1000 RJ45 ports, (4) mini-GBIC combo ports, (1) expansion slot that can house (2) TAA compliant 10GE XFP ports, and (2) dedicated stacking ports. Total active ports per switch: (24) Gigabit + (2) 10GE ports.
C3K122-24P	SecureStack C3 with (24) 10/100/1000 PoE RJ45 ports, (4) mini-GBIC combo ports, (1) expansion slot that can house (2) TAA compliant 10GE XFP ports, and (2) dedicated stacking ports. Total active ports per switch: (24) Gigabit + (2) 10GE ports.
C3K122-24P-10G	SecureStack C3 with (24) 10/100/1000 PoE RJ45 ports, (4) mini-GBIC combo ports, (2) TAA compliant 10GE XFP ports, and (2) dedicated stacking ports. Total active ports per switch: (24) Gigabit + (2) 10GE ports.
C3K172-24	SecureStack C3 with (24) mini-GBIC ports, (1) expansion slot that can house (2) TAA compliant 10GE XFP ports, and (2) dedicated stacking ports. Total active ports per switch: (24) Gigabit + (2) 10GE ports.
Optional Software Licenses	
C3L3-LIC	SecureStack C3 advanced IPv4 routing license (per switch) – OSPF, PIM, DVMRP, and VRRP
C3IPv6-LIC	SecureStack C3 IPv6 routing license (per switch)
Cables	
C2CAB-SHORT	SecureStack stacking cable for connecting adjacent switches (30cm)
C2CAB-LONG	SecureStack stacking cable for connecting top switch to bottom switch (1m)
C2CAB-2M	SecureStack stacking cable for all B3/C3 models (2m)
C2CAB-5M	SecureStack stacking cable for 48-port B2/C2 models and all B3/C3 models (5m)
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-LC04	100 Mb, 100Base-FX, IEEE 802.3 MM, 1310nm long wave length, 2km, LC SFP (C3K models only)
MGBIC-LC05	100 Mb, 100Base-FX, IEEE 802.3 SM, 1310nm long wave length, 10km, LC SFP (C3K models only)
MGBIC-LC09	Mini-GBIC with 1000Base-LX via LC Connector
MGBIC-MT01	Mini-GBIC with 1000Base-SX via MTRJ Connector
XFP Modules	
10GBASE-SR-XFP	XFP with 10-Gigabit Ethernet short reach LC connector (300m over MMF)
10GBASE-LR-XFP	XFP with 10-Gigabit Ethernet long reach LC connector (10KM over SMF)
10GBASE-ER-XFP	XFP with 10-Gigabit Ethernet extended reach LC connector (40KM over SMF)
10GBASE-ZR-XFP	XFP with 10-Gigabit Ethernet extended reach LC connector (80KM over SMF)
10GBASE-CX4	XFP with 10-Gigabit interface, twin axial, copper SFF-8470 XFP connector (15m)
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 C3 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: <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

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