CSX8000 Series Appliance Specifications

This article lists the chassis and regulatory compliance specifications for the Cloud Services Switch (CSX) 8000 series appliances. It also lists the certifications and export control classification numbers (ECCNs) for the appliances.

Chassis Specifications

CSX8300 Appliance

Table 1 lists the chassis specifications for a CSX8300 appliance.

Table 1: CSX8300 Appliance Chassis Specifications

Item	Specification
Services and Slot Density	
1-Gigabit Ethernet RJ-45 RS232 serial console port	1
1-Gigabit Ethernet copper management port	1
25/10-Gigabit Ethernet SFP28 ports for switch interfaces	48
100-Gigabit Ethernet QSFP28 ports for switch interfaces	8
Switching capacity	2 Tbps (4 Tbps full-duplex)
External USB ports (USB 2.0)	1
TPM	Yes
Power supply	Field replaceable, redundant 2 x 1000 W (115 VAC) or 1200 W (230 VAC) PSU
Power Specifications	
AC input voltage	100–240 Volts
AC input line frequency	50–60 Hz
Maximum power rating	1000 W or 1200 W

Item	Specification
Power supply efficiency rating	Platinum (80 Plus) or better
Chassis Physical Specifications	
Height	1.71" (43.5 mm)
Width	17.26" (438.4 mm)
Depth	21.1" (536 mm)
Weight	22 lb (10 kg)
Rack height	1 RU
Package Specifications	
Height	9.64" (245 mm)
Width	23.62" (600 mm)
Depth	28.34" (720 mm)
Weight	31.50 lb (14.30 kg)
Operating Conditions	
Temperature	0°C to 45°C (32°F to 113°F) at sea level
Humidity	5% to 90% non-condensing
System cooling	Front-to-back cooling with FRU fans with built-in 5+1 redundancy
Acoustic noise level	Idle: 52.3 dBA Full load: 66.8 dBA
Storage Conditions	
Temperature	–40°C to 70°C (–40°F to 158°F) at sea level
Humidity	5% to 90%

CSX8500 Appliance

Table 2 lists the chassis specifications for a CSX8500 appliance.

Table 2: CSX8500 Chassis Specifications

Item	Specification
Services and Slot Density	
1-Gigabit Ethernet RJ-45 RS232 serial console port	1
1-Gigabit Ethernet copper management port	1
100-Gigabit Ethernet QSFP28 ports for switch interfaces	32
Switching capacity	3.2 Tbps (6.4 Tbps full-duplex)
External USB ports (USB 2.0)	1
TPM	Yes
Power supply	Field replaceable, redundant 2 x 1000 W (115 VAC) or 1200 W (230 VAC) PSU
Power Specifications	
AC input voltage	100–240 Volts
AC input line frequency	50–60 Hz
Maximum power rating	1000 W or 1200 W
Chassis Physical Specifications	
Height	1.71" (43.5 mm)
Width	17.25" (438 mm)
Depth	20.27" (514 mm)
Weight	24 lb (10.87 kg)
Rack height	1 RU
Package Specifications	
Height	1.73" (44 mm)
Width	17.32" (440 mm)
Depth	18.50" (474 mm)
Weight	30 lb (13.63 kg)
Operating Conditions	

Item	Specification
Temperature	0°C to 45°C (32°F to 113°F) at sea level
Humidity	5% to 90% non-condensing
System cooling	Front-to-back cooling with FRU fans with built-in 5+1 redundancy
Acoustic noise level	Idle: 52.3 dBA Full load: 66.8 dBA
Storage Conditions	
Temperature	–40°C to 70°C (–40°F to 158°F) at sea level
Humidity	5% to 90%

Regulatory Compliance

Table 3 lists the regulatory compliance specifications for the CSX8000 series appliance.

Table 3: CSX8000 Series Regulatory Compliance Specifications

Item	Specification
Safety	2014/35/EU • UL/CSA62368-1 • IEC60950-1 • IEC62368-1 standards
Security	TPM 2.0
EMC	FCC Part 15, Class A (US), CE (EU), CB (IEC)
Environmental	RoHS 2.0

Certifications

CSX8000 series appliances comply with the certificates listed in Table 4.

Table 4: CSX8000 Series Certifications

Region	Certifications
European Union	Safety and EMC • EN 60950-1:2005 • EN 62368-1:2014 • CE—EU Directive 2014/35/EU 2014/30/EU
Japan	VCCI—CISPR 32:2016 Class A
United States	EMI and wireless • FCC 47 CFR Part 15, Subpart B, Class A • ANSI C63.4-2014

Export Control Information

Table 5 lists the ECCN, HTS, and CCATS numbers for a CSX8000 series appliance.

Table 5: ECCN, HTS, and CCATS Numbers

Item	ECCN Number	HTS Number	CCATS Number	Versa Use of Item
Embedded SSL software module	5E002	8542310000	G161333	SSL VPN proxy
IPsec toolkit used by Versa Operating System^{TM} (VOS^{TM}) devices	5D002	8542310000	G161333	IPsec cryptographic module
Hardware-based encryption and decryption	5A002U	8542310001	G156910L1	CSX8000 appliance

Restriction-Level Information

A CSX8000 series appliance complies with the restriction level listed in Table 6.

Table 6: CSX8000 Series Restriction Level Information

Versa Product	ECCN Number	HTS Number	CCATS Number	Export Classification Details	Encryption Status	Encryption Eligibility
CSX8000 series appliances	5A002A	8517620090	G193236	CSX8000 export classification number assigned by BIS	Restricted	740.17(A) and (B)(2)(i)(A)