CSG3000 Series Appliance Specifications

This article lists the chassis and regulatory compliance specifications for the Cloud Services Gateway (CSG) 3000 series appliance. It also lists certifications and export control classification numbers (ECCNs) for the appliance.

Chassis Specifications

CSG3300 Appliance

Table 1 lists the chassis specifications for a CSG3300 appliance chassis.

Table 1: CSG3300 Appliance Chassis Specifications

Item	Specification
Services and Slot Density	
1-Gigabit Ethernet RJ-45 copper port	1
External USB ports (USB 2.0)	2
RJ-45 serial console port	1
10G/1G/100M copper multirate 10-Gigabit Ethernet ports for WAN	2
1G/10G SFP/SFP+ Ethernet ports for WAN	2
10G/5G/2.5G/1G Power over Ethernet (PoE) (60-W) ports for LAN	8
2.5G/1G PoE (30-W) ports for LAN	16

Item	Specification
25/10 Gigabit Ethernet SFP28 ports for LAN	4
100 Gigabit Ethernet QSFP28 ports for LAN	2
LTE wireless interfaces	1 or 2
WiFi wireless	1
Memory DDR4 ECC DRAM	32 GB
Disk 1 SSD	128 GB (for Versa Operating System^{TM} [VOS^{TM}] software)
Disk 2 SSD	16 GB (for diagnostics)
Power supply	Field-replaceable 1 + 1 redundant and hot-swappable AC input
Specialized hardware offload	Hardware offload engines for crypto, and compression and decompression
Power Specifications	
AC input voltage	100–240 Volts
AC input line frequency	50–60 Hz
Maximum power consumption (with PoE)	800 W
Typical power consumption (without PoE)	383 W
Power supply efficiency rating	Platinum (80 Plus) or better
Chassis Physical Specifications	

Item	Specification
Chassis height	1.73" (44 mm)
Chassis width	17.32" (440 mm)
Chassis depth	18.50" (470 mm)
Chassis weight	25.13 lb (11.40 kg)
Rack height	1 RU
Package Specifications	
Package height	9.64" (245 mm)
Package width	23.62" (600 mm)
Package depth	28.34" (720 mm)
Package weight	28.22 lb (12.80 kg)
Operating Conditions	
Temperature	0°C to 40°C (32°F to 104°F) at sea level
Humidity	15% to 85% non-condensing
System cooling	Front-to-back cooling with FRU fans with built-in 3+1 redundancy
Acoustic noise level	Idle: 52.3 dBA Full load: 66.8 dBA
Storage Conditions	

Item	Specification
Temperature	–20°C to 70°C (–4°F to 158°F) at sea level
Humidity	15% to 85%

CSG3500 Appliance

Table 2 lists the specifications for a CSG3500 appliance chassis.

Table 2: CSG3500 Chassis Specifications

Item	Specification
Services and Slot Density	
1-Gigabit Ethernet RJ-45 copper port	1
External USB ports (USB 2.0)	2
RJ-45 serial console port	1
10G/1G/100M/10M copper multirate 10 Gigabit Ethernet ports for WAN	2
1G/10G SFP/SFP+ Ethernet ports for WAN	2
10G/5G/2.5G/1G PoE (60-W) ports for LAN	8
2.5G/1G PoE (30-W) ports for LAN	16
25/10 Gigabit Ethernet SFP28 ports for LAN	4
100 Gigabit Ethernet QSFP28 ports for LAN	2
LTE wireless	Up to 2
WiFi wireless	1
Disk 1 SSD	128 GB (for VOS software)
Disk 2 SSD	16 GB (for diagnostics)
Power supply	Field-replaceable 1 + 1 redundant and hot-swappable AC input
Specialized hardware offload	Hardware offload engines for crypto and compression/

Item	Specification
	decompression
Power Specifications	
AC input voltage	100–240 Volts
AC input line frequency	50–60 Hz
Maximum power consumption (with PoE)	800 W
Typical power consumption (without PoE)	383 W
Power supply efficiency rating	Platinum (80 Plus) or better
Chassis Physical Specifications	
Chassis height	1.73" (44 mm)
Chassis width	17.32" (440 mm)
Chassis depth	18.50" (470 mm)
Chassis weight	26.01 lb (11.80 kg)
Rack height	1 RU
Package Specifications	
Package height	1.73" (44 mm)
Package width	17.32" (440 mm)
Package depth	18.50" (470 mm)
Package weight	29.10 lb (13.20 kg)
Operating Conditions	
Temperature	0°C to 40°C (32°F to 104°F) at sea level
Humidity	15% to 85% non-condensing
System cooling	Front-to-back cooling with FRU fans with built-in 3+1 redundancy
Acoustic noise level	Idle: 52.3 dBA Full load: 66.8 dBA

Item	Specification
Storage Conditions	
Temperature	–20°C to 70°C (–4°F to 158°F) at sea level
Humidity	15% to 85%

CSG3000 Series Appliance SKUs

CSG3000 series SKUs have the following format:

model – xxx – yyy

model indicates the CSG3000 appliance model number. It can be one of the following:

- CSG3300
- CSG3500

In addition, CSG3000 series appliances have NICs. For more information, see Network Interface Cards.

Regulatory Compliance

Table 3 lists the regulatory compliance specifications for the CSG3000 series appliance.

Table 3: CSG3000 Series Regulatory Compliance Specifications

Item	Specification
Safety	2014/35/EU • CB (IEC/EN60950-1 and IEC/EN 62368-1) • UL (CSA 22.2 No 62368-1 and UL62368-1)
Security	TPM 2.0
EMC	FCC (US), CE (EU), CB (IEC), UL
Environmental	RoHS 2.0

Certifications

CSG3000 series appliances comply with the certificates listed in Table 4.

Table 4: CSG3000 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
America	EMI and wireless: • FCC 47 CFR Part 15, Subpart B, Class A • ANSI C63.4-2014
Japan	VCCI—CISPR 32:2016 Class A

Export Control Information

Table 5 lists the ECCN, HTS, and CCATS numbers for a CSG3000 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 VOS devices	5D002	8542310000	G161333	IPsec cryptographic module
Hardware-based encryption and decryption	5A002U	8542310001	G156910L1	CSG3000 appliance

Restriction Level Information

CSG3000 series appliances comply with the restriction level listed in Table 6.

Table 6: CSG3000 Series Restriction Level Information

Versa Product	ECCN Number	HTS Number	CCATS Number	Export Classification Details	Encryption Status	Encryption Eligibility
CSG3000 series appliances	5A002A	8517620090	G191281	CSG3000 export classification number assigned by BIS	Restricted	740.17(A) and (B)(2)(i)(A)