

Cloud Services Gateway

CSG150 series appliance datasheet

Introduction

Versa Cloud Service Gateway (CSG) is the family of enterprise class networking and security appliances that are purpose built to deliver Software Defined WAN, NGFW, UTM, comprehensive routing and on-premises ZTNA. CSG150 series appliances is the entry level platform of this family targeting deployments in smaller enterprise offices, kiosks, ATMs, and home offices.

Versa CSG150 appliance runs VOS™ (Versa Operating System) natively and is managed by Versa's centralized management software; Versa Director, Versa Analytics and Versa Concerto. Versa's single platform approach with VOS helps migrate from separate products to one consolidated platform that covers WAN edge, enterprise grade LAN, comprehensive security and routing, on-premises ZTNA and NAC functions using single appliance. All of these features are available with Versa CSG150 for lower TCO. Please see VOS datasheet for complete list of features that VOS offers.



Product description

Versa CSG150 is a compact appliance with optimized size for deployment in space restricted environments without compromising enterprise grade WAN Edge, routing, on-prem ZTNA, NGFW and UTM functions.

- CSG150 comes with four 10M/100M/1G/2.5GbE NBASE-T Ethernet ports that can be configured in software to provide WAN or LAN connectivity. CSG150 provides PoE on one port to allow powering of a directly attached WLAN AP, Ethernet connected 5G/LTE modem or VoIP phone.
- CSG150 is a fanless device using convection cooling with no moving parts. Hence CSG150 generates no noise, making it suitable for deployment in small enterprise offices and home office environments where appliance noise is undesirable. Also, CSG150 has long life span thanks to no moving parts.

CSG150 offers 5G/LTE connectivity via externally tethered CSM64 modem. CSM64 connected to any of CSG150's Ethernet ports (ie: such as the PoE port) will be automatically discovered and tethered in software thanks to VOS's capabilities. Once tethered, CSM64 will function no different than an embedded 5G/LTE modem providing WAN connectivity over public or private 5G/LTE networks while being managed by Versa Director and Versa Analytics. Note that decoupled CSM64 provides additional placement flexibility advantage such that while CSG150 may be placed inside a system room with poor signal characteristics, CSM64 5G/LTE modem can be placed closer to the window with maximized 5G/LTE signal strength which will then result with better connectivity experience over the air.

Versa CSG150 series advantages

The CSG150 appliance provides great price-performance with full coverage of Secure WAN Edge and NGFW/UTM, routing and layer-2 functions. CSG150 can be deployed by Enterprises and Managed Service Providers (MSPs) to offer scalable managed services and for a diverse set of small to medium sized branches.

The CSG150 series appliance is designed for durability to ensure business continuity and services. Thanks to its fanless design that yields to high MTBF values, CSG150 is expected to run for long durations.

Versatility and flexibility

CSG150 series appliance is based on x86 architecture, taking advantage of the latest performance enhancements for packet processing delivering efficient, high-performance experience for small branches and home offices.

Secure and trusted platform

CSG150 is a TAA certified platform. CSG150 platform hardware has been designed with security built-into hardware, including integrated TPM chip and Secure Boot properties to ensure integrity and security of critical factory installed data. CSG150 is produced by reputable OEM through trusted and auditable manufacturing process to satisfy requirements of most stringent customers.

Global distribution and certification

Versa CSG150 Series platform is globally certified, and units are available to our customers via Versa's globally extensive distribution network.

Scaling and performance

Customers should select the right appliance model based on the expected throughput and features for their deployment. The table below lists the expected throughput of the appliance for a given scenario. If you need help with your deployment scenario, please work with Versa sales reps for further guidance on appliance selection.

	CSG150-4GB	CSG150
Recommended deployment	Small branch	Small branch
Throughput		
Routing, Stateful Firewall, CGNAT	2,300 Mbps	2,300 Mbps
SD-WAN DIA, NGFW DIA	1,900 Mbps (SD-WAN DIA only)	1,900 Mbps
SD-WAN site to site	550 Mbps (SD-WAN site to site only)	550 Mbps
NGFW + SD-WAN	N/A	450 Mbps
NGFW + AV	N/A	225 Mbps
NGFW + AV + SD-WAN	N/A	150 Mbps
NGFW + IPS	N/A	100 Mbps
NGFW + IPS + SD-WAN	N/A	80 Mbps
NGFW + UTM/UTP	N/A	75 Mbps
NGFW + UTM/UTP + SD-WAN	N/A	60 Mbps

(*) Performance and scaling numbers shared in product datasheets can vary from vendor to vendor depending on testing scenarios and testing methods utilized. Versa references real-life based scenarios for its performance testing. Furthermore, Versa's security functions run by default in high-security mode and performance numbers shared above are obtained in the same mode to provide best guidance to its customers. For details on each test scenario including running security functions in alternative mode such as higher performance mode, please contact Versa reps.

Hardware specifications

CSG150	
Wired interfaces	RJ45, 4x 10/100/1000/2500 NBASE-T ports
Management	RJ45 RS-232 console port
	USB 2.0, USB-A management port
	Dual purpose 10/100/1000/2500NBase-T PoE Ethernet port for data and management
TPM	Yes, TPM 2.0
USB	Yes, yes one USB-A
Unit weight	Weight: 2.14 lbs. (.97 kg)
Unit dimensions	WxDxH: 210mm x 179.5mm x 35 mm
PSU	100-240VAC, 50-60Hz, 1.8A (65W)
Unit power	54Vdc @ 1.2A
PoE port output power	30W max.
Cooling	Fanless
Mounting	Desktop
Operational temperature	-5C to 45C @ 3,000m altitude
Storage temperature	5 to 95% non-condensing
Humidity	-5C to 85C
FCC classification	FCC Part 15 (Class A)

Warranty and support

Versa Cloud Services Gateway 150 series appliances include a 2-year Return to Factory (RTF) Warranty. Versa Networks offers enhanced warranty and advanced replacement options which can be ordered with the hardware. For more details, please refer to the Versa Cloud Services Gateway Ordering Guide.

Ordering guide

For more details on how to order CSG 150 series appliances, please refer to the ordering guide.

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About Versa

Versa, the global leader in unified networking and security, enables organizations to create self-protecting networks that radically simplify and automate their network and security infrastructure. Powered by AI, the VersaONE Universal SASE Platform delivers converged SSE, SD-WAN, and SD-LAN solutions that protect data and defend against cyberthreats while providing a superior digital experience. Thousands of customers globally, with hundreds of thousands of sites and millions of users, trust Versa with their mission-critical networks and security. Versa is privately held and funded by investors such as Sequoia Capital, Mayfield, and BlackRock. For more information, visit <https://www.versa-networks.com> and follow Versa on LinkedIn and X (Twitter) @versanetworks.

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