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## At a Glance

The Versa Cloud Services Gateway (CSG) 3000 series appliances deliver carrier-grade reliability, high performance, line-rate switching, and high compute capacity for enterprise-grade routing, SD-WAN, next-generation security, and uCPE scenarios. They are designed for deployment in large enterprise branches, campus sites, and data centers that require advanced secure SD-WAN along with comprehensive advanced application and cloud-intelligent SD-WAN services on premises.

The CSG3000 appliances run Versa Operating System™ (VOS™) software, which provides fully comprehensive integrated security, including NGFW, UTM, ZTNA, application intelligence, and application policy-based forwarding along with line-rate Layer 2/Layer 3 switching, scalable advanced routing, multitenancy, and big-data-based analytics.

The CSG3000 series appliances come with LAN and WAN ports. The ports provide support for Ethernet and non-Ethernet (ADSL2+/VDSL2 and T1/E1) interfaces and for built-in wireless, including 4G, LTE, LTE-advanced-pro, and sub-6 5G.

Copper LAN ports are multi-rate Gigabit Ethernet ports with built-in PoE++ (Power over Ethernet) capacities. The CSG3000 series appliances high-speed fiber uplink and downlink ports, including 25/10 Gigabit Ethernet and 100 Gigabit Ethernet, provide fast connectivity to other network elements in the LAN environment.

CSG3000 series appliances are designed with built-in high compute capacity, including multiple core x86 CPUs, memory, and storage, to help in hosting third-party virtual machines (VMs), thus eliminating the need for separate hardware platforms and simplifying network deployments.

CSG3000 appliances provide the following features:

- Management Ethernet ports
  - One RJ45 1-Gigabit Ethernet port for management
  - One RJ45 serial console port for management
- Two RJ45 10-Gigabit Ethernet ports for WAN Interfaces
- Two SFP+ 10-Gigabit Ethernet ports for WAN Interfaces
- Eight RJ45 10/5/2.5/1-Gigabit Ethernet PoE++ (60-W) ports for LAN Interfaces
- Sixteen RJ45 2.5/1-Gigabit Ethernet PoE (30-W) ports for LAN Interfaces
- Four SFP+ 28 25/10-Gigabit Ethernet ports for LAN Interfaces
- Two QSFP 28 100-Gigabit Ethernet switch ports for LAN Interfaces
- Two USB ports for plugging in external LTE
- Two built-in wireless slots to carry 5G/LTE/WiFi

- Field replaceable 1+1 redundant, hot-swappable power supply units (PSUs)
- Field replaceable 3+1 fans for cooling
- Rack mountable in a 19-inch rack

**Note:** You must use ports designated as WAN interfaces for WAN connections, and you must use ports designated as LAN interfaces for LAN connections. You cannot use ports designated as WAN interfaces for LAN connections, and you cannot use ports designated as LAN interfaces for WAN connections.

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## CSG3000 Series Appliance Models

The CSG3000 series appliances are available in the following models:

- CSG3300—Powerful appliance for deployment in large enterprise branch or campus sites for networks that require advanced switching and routing, secure SD-WAN, and comprehensive application and cloud-intelligent SD-WAN services on-premises. The CSG3300 appliance has 128 GB of SSD storage.
- CSG3500—Higher-performance appliance for deployment in large enterprise branch, campus, or data center locations for networks that require advanced switching and routing, secure SD-WAN, and comprehensive advanced application and cloud-intelligent SD-WAN services on-premises. The CSG3500 appliance has 256 GB of SSD storage.

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## Chassis Views

The CSG3300 and CSG3500 series appliances are physically identical.

The front panel is the side of the appliance with LEDs, which display status and power, a soft-reset button, and ports. It also has integrated rack-mount ears for installation in standard 19-inch racks. The front panel the side that is visible when you install the appliance in an office environment or in a rack.

The rear panel has hot-swappable power supply units, the ground contact, cooling fans, and two 100-Gigabit Ethernet ports.

Figure 1 and Figure 2 show the front and rear panels of a CSG3500 series appliance.

**Figure 1: Front Panel of a CSG3500 Series Appliance**



**Figure 2: Rear Panel of a CSG3500 Series Appliance**

