
Network Interface Cards

The Cloud Services Gateway (CSG) CSG355 and CSG365 appliances offer field configurability using the network interface card (NIC) slot. This article describes the CSG355 and CSG365 NICs.

NIC Types

Table 1 describes the NICs and the Versa Operating System™ (VOS™) software releases in which the NIC is supported.

Table 1: CSG355 and CSG365 NIC Support

NIC Type and Model	NIC Options	Description	VOS Support
Gigabit Ethernet			
• NIC-4GP	4-port RJ45 copper PoE/ PoE+	<ul style="list-style-type: none"> Supports IEEE 802.3af Type 1 PoE and IEEE 802.3at Type 2 PoE+ devices over CAT 5e. Each port can supply up to 30 W of power, with a maximum of 60 W for the module. 	Releases 21.2.1 and later
• NIC-4GP-120 W	4-port RJ45 Gigabit Ethernet	<ul style="list-style-type: none"> Supports IEEE 802.3af Type 1 PoE and IEEE 802.3at Type 2 Class 4 PoE+ devices 802.3at-2009 over CAT 5e. Each port can supply up to 30 W of power, with a maximum of 120 W for the module. 	Releases 21.2.1 and later
• NIC-4GF	4-port Gigabit Ethernet SFP	Supports fiber Gigabit Ethernet MMF or SMF 1000BASE-SX and 1000BASE-LX.	Releases 21.2.3 and later
ADSL+/VDSL			
• NIC-1VA	1 RJ45 port ADSL+/VDSL, Annex A	<ul style="list-style-type: none"> Single-port ADSL+/VDSL module that supports Annex A (POTS) 	Releases 21.2.1 and later
• NIC-1VB	1 RJ45 port ADSL+/VDSL, Annex B	<ul style="list-style-type: none"> Single-port ADSL+/VDSL module that supports Annex B (ISDN) 	Releases 21.2.1 and later
T1/E1			

<ul style="list-style-type: none"> NIC-4DS 	4-ports RJ45 T1/E1	<ul style="list-style-type: none"> Supports T1/E1 framing Supports all common formats Supports PPP, HDLC, and Frame Relay encapsulations 	Releases 21.2.1 and later
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The CSG355 and CSG365 appliances offer interface modularity, providing four Ethernet ports that support both Type 1 and Type 2 PoE devices. Each port can provide up to 30 W of power, with a maximum of 60 W for the module, for connecting PoE devices such as cameras, access points, and VoIP handsets. The CSG355 and CSG365 appliances support two types of NICs:

- 1-GB copper Gigabit Ethernet port
- 1-GB copper Gigabit Ethernet with PoE port

The four Ethernet ports on the NIC module are labeled Port 6 through Port 9.

Figure 1 shows the four RJ-45 connectors for the four Ethernet ports (1-GB copper GE port and for the 1-GB Copper GE with PoE port).

Figure 1: CSG355 RJ-45 Connectors for 1-GB Copper GE Port with PoE Port

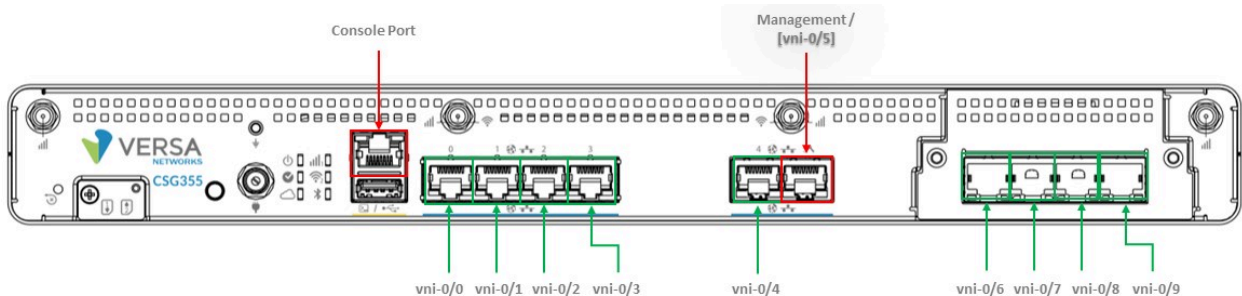


Figure 2 shows the four RJ-45 connectors slots for the 1-GB Copper GE combination port.

Figure 2: CSG355 RJ-45 Connectors for 1-GB Copper GE Combination Port

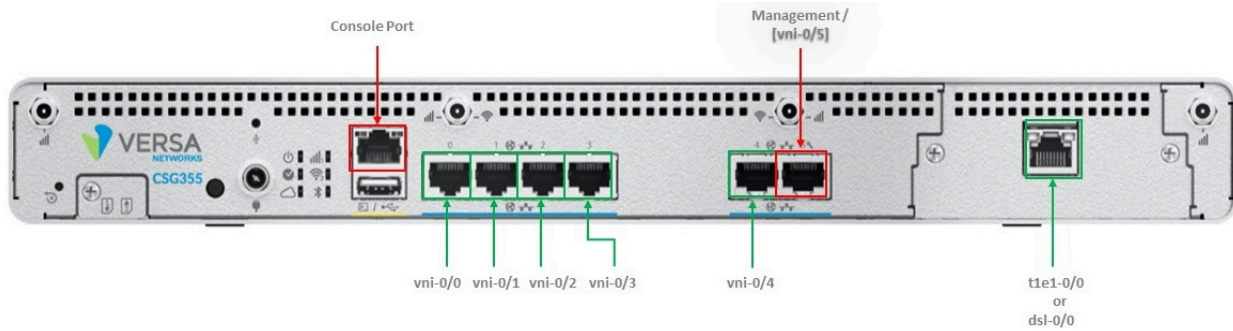
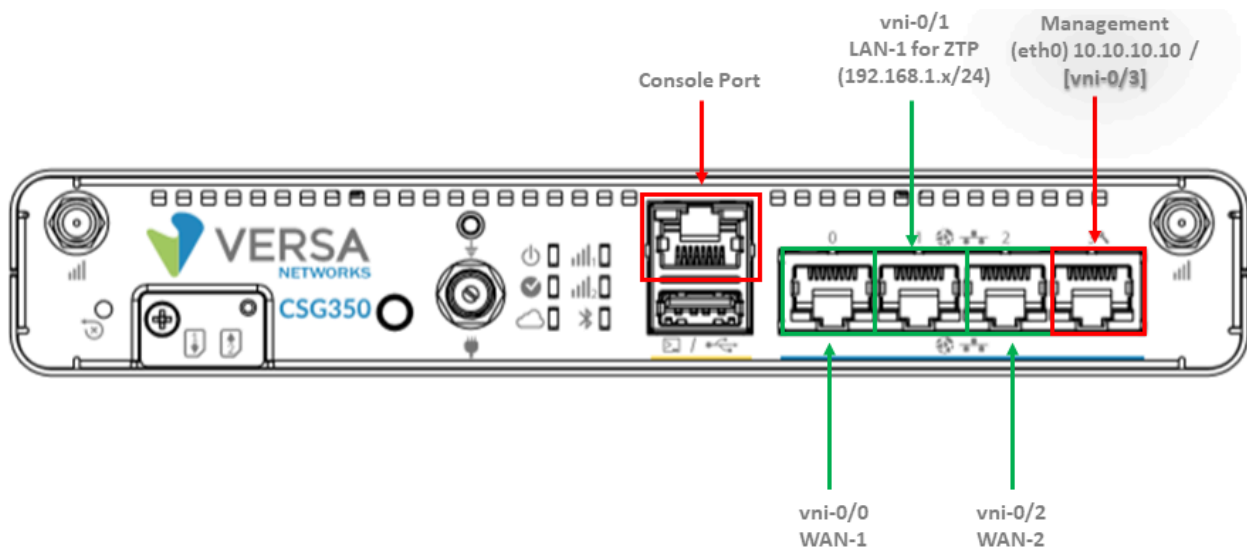


Figure 3 shows the CSG350 series appliance VNI port mapping.

Figure 3: CSG350 RJ-45 Connectors for 1-GB Copper GE Combination Port



NIC Specifications

Table 2 lists the NIC specifications for a CSG300 series appliance.

Table 2: CSG300 Series NIC Specifications

Item	Specification
Item Specification	
Typical power consumption	10 Watts
System power input	3.3 VDC @ 3A
PoE power adapter input	54 VDC @ 2.78A, 100-240 VAC @ 2A, 50-60 Hz

https://docs.versa-networks.com/Hardware/Cloud_Services_Gateway_300_Series/Components_and_Specifications/03_Netw...

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Item	Specification
Physical Specifications	
Height	1.54" (39 mm)
Width	3.25" (82.5 mm)
Depth	5.52" (140 mm)
Weight	
• NIC-8GE	0.33 lb (150 gm)
• NIC-4GP-120 W	0.44 lb (200 gm)
• NIC-1VA/1VB	0.33 lb (150 gm)
• NIC-4DS	0.44 lb (200 gm)
• NIC-4GF	0.33 lb (150 gm)
Package Specifications	
Package height	3.25" (82.55 mm)
Package width	6" (152.4 mm)
Package depth	9" (228.6 mm)
Package weight	0.77 lb (350 gm)
Operating Conditions	
Temperature	0 to 40°C (32 to 104°F)
Humidity	10 to 85% relative humidity

Item	Specification
Altitude	Maximum 3000 m (10000 ft)
Noise level	0 dBm
Storage Conditions	
Temperature	–20 to 70°C (–4 to 158°F) at sea level
Humidity	10 to 85% relative humidity