

Netskope One Gateway Hardware Specifications

Spec Sheet



Hardware Small and Medium Appliance Table

Hardware Appliance	NSG-101	NSG-200W	NSG-200CW	NSG-500	NSG-1500	NSG-2104W
Physical specifications						
LAN/WAN interfaces	4× 1G RJ45	4× 1G RJ45	4× 1G RJ45	4× 1G RJ45 1× 1G SFP ¹	2× 1G RJ45/SFP ¹ 4× 2.5G RJ45 2× 10G SFP ¹ +	1× 1G RJ45 4× 2.5G RJ45/PoE ²
Wi-Fi	Wi-fi 5 802.11a	Wi-Fi 6 802.11ax	Wi-Fi 6 802.11ax	Wi-Fi 6 802.11ax	Wi-Fi 6 802.11ax	Wi-Fi 6 802.11ax
LTE	Integrated LTE	N/A	Integrated 5G w/ eSIM & USB	N/A	N/A	N/A
Console Ports	-	-	-	Micro USB	RJ-45 & Mini USB	RJ-45 & Mini USB
External USB	1x USB 3.0	1x USB 3.0	1x USB 3.0	1x USB 3.0	2x USB 3.0	1x USB 3.0 1x USB 2.0
Size (W x D x H) in mm	125 × 125 × 40	160×160×35	160×160×35	179 × 206 × 35	256 × 200 × 44	219 × 250 × 44
Mounting	DIN rail,Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount	Desktop	Desktop, Wall & Rack mount	Desktop, Wall & Rack mount
Power Input	DC-IN or PoEx1 10-28V (24W)	12V DC jack	12V DC jack	12V@4A (48W) DC jack	12V DC (60W), Single	12V DC (85W), Single
Operating Conditions in degree C	-30-60	0-40	0-40	0-40	0-40	0-40
Ruggedized	I-Temp	No	No	No	No	No
Ingress Protection Rating	IP40	N/A	N/A	N/A	N/A	N/A
MTBF in years	20	63.73	29.89	70.17	9.92	20.7
Performance ⁴						
Site-to-Site Throughput (1300-byte AES-128)	50Mbps	250Mbps	250Mbps	500Mbps	1Gbps	2Gbps
Site-to-Site Throughput (417-byte AES-128)	20Mbps	100Mbps	100Mbps	160Mbps	500Mbps	1Gbps
Overlay Tunnels	50	100	100	200	400	800

¹ Supported SFPs: Fiber, Copper

² PoE+ optional configuration. Contact sales for availability

³ Hardware availability varies per country please contact sales for latest information

⁴ Performance and scale figures are benchmark maximums. Actual results vary by traffic mix, enabled features, and topology. For deployment sizing, work with your account team to align your specific deployment needs with the current sizing guide.

Hardware Large Branch and Datacenter Appliance Table

Hardware Appliance	NSG-2000	NSG-2108CW	NSG-3000	NSG-4000
Physical specifications				
LAN/WAN interfaces	2× 1G RJ45/SFP ¹ 4× 2.5G RJ45 2× 10G SFP ¹⁺	1× 1G RJ45 4× 2.5G RJ45/PoE ² 2× 10G SFP ¹⁺	6 or 8 × 1G RJ45/PoE ² 6× 10G SFP ¹⁺	2× 1G RJ45 8× 10G SFP ¹⁺
Wi-Fi	N/A	Wi-Fi 6 802.11ax	N/A	-
LTE	N/A	Integrated 5G w/eSIM	N/A	-
Console Ports	RJ-45 & Mini USB	RJ-45 & Mini USB	RJ45	RJ45/USB Type-C
External USB	2x USB 3.0	1x USB 3.0 1x USB 2.0	2x USB 3.0	2x USB 3.0
Size (W x D x H) in mm	256 × 200 × 44	219 × 250 × 44	438 × 456 × 44	438×550×44
Mounting	Desktop, Wall & Rack mount	Desktop, Wall & Rack mount	Rack mount	Rack mount
Power Input	12V DC (60W), Single	12V DC (85W), Single	100-264V (300W), Redundant	90-240V (1200W), Redundant
Operating Conditions in degree C	0-40	0-40	0-40	0-40
Ruggedized	No	No	No	No
Ingress Protection Rating	N/A	N/A	N/A	N/A
MTBF in years	9.92	20.7	22.5	20.81
Performance ⁴				
Site-to-Site Throughput (1300-byte AES-128)	2Gbps	4Gbps	8Gbps	20Gbps
Site-to-Site Throughput (417-byte AES-128)	800Mbps	1Gbps	2Gbps	5Gbps
Overlay Tunnels	800	800	2500	6000
Endpoint SD-WAN Tunnels	4000	4000	8000	16000
Recommended Endpoint SD-WAN Clients per Hub ⁵	224 – 2,000	224 – 2,000	560 – 5,000	560 – 5,000

¹ Supported SFPs: Fiber, Copper

² PoE+ optional configuration. Contact sales for availability

³ Hardware availability varies per country please contact sales for latest information

⁴ Performance and scale figures are benchmark maximums. Actual results vary by traffic mix, enabled features, and topology. For deployment sizing, work with your account team, who will validate requirements against the current sizing guide.

⁵ Recommended client counts per hub are derived from the Netskope sizing guide based on PPS-modeled traffic profiles. The upper bound reflects the lightest traffic profile (SWG + NPA + BWAN + Non-VoIP). The lower bound reflects the heaviest traffic profile (BWAN + VoIP + Non-VoIP + Packet Replication + Full Tunnel with Internet Backhaul). For deployment sizing, work with your account team and reference the current sizing guide.

Virtual Appliance Table & Cloud Appliance

Virtual Appliance	NSGV ESXi ¹ (2 CORE)	NSGV ESXi ¹ (4 CORE)	NSGV ESXi ² (8 CORE)	NSG KVM (4 CORE)	NSG KVM (8 CORE)
Memory	4GB	8GB	16GB	8GB	16GB
Storage	32GB	32GB	32GB	32GB	32GB
Performance					
Site-to-Site Throughput (1300-byte)	1Gbps	3Gbps	5Gbps	1.1Gbps	1.3Gbps
Max Overlay Tunnels	400	800	2400	800	2400
Endpoint SD-WAN Tunnels	600	1200	6000	1200	6000

Cloud Appliance	GCP	AWS	Azure
Instance Details	Standard D8lds v5 - 8 vcpu, 16 GiB	c5.2xlarge - 8 vcpu, 16 GiB	c3-standard-8 (8 vcpu, 32 GiB)
Storage	50GB	50GB	50GB
Performance			
Site-to-Site Throughput (1300-byte)	2Gbps	2Gbps	5Gbps
Max Overlay Tunnels	2400	2400	2400
Endpoint SD-WAN Tunnels	6000	6000	6000

Performance measured using DPDK where available

¹ Performance is based on Intel(R) Xeon(R) Platinum 8358 CPU @ 2.60GHz, VMXNET3

² Performance is based on Intel(R) Xeon(R) Gold 6330 CPU @ 2.00GHz, VMXNET3



Interested in learning more?

Request a demo

Netskope, a leader in modern security and networking, addresses the needs of both security and networking teams by providing optimized access and real-time, context-based security for people, devices, and data anywhere they go. Thousands of customers, including more than 30 of the Fortune 100, trust the Netskope One platform, its Zero Trust Engine, and its powerful NewEdge network to reduce risk and gain full visibility and control over cloud, AI, SaaS, web, and private applications—providing security and accelerating performance without trade-offs. [Learn more at **netskope.com**.](#)

©2026 Netskope, Inc. All rights reserved. Netskope, NewEdge, SkopeAI, and the stylized "N" logo are registered trademarks of Netskope, Inc. Netskope Active, Netskope Cloud XD, Netskope Discovery, Cloud Confidence Index, and SkopeSights are trademarks of Netskope, Inc. All other trademarks included are trademarks of their respective owners. 07/26 SPEC-993-2