

# NetScaler pooled-capacity models

## A simple, cost-effective way to transition your workloads to the cloud

NetScaler is an application security and delivery platform that helps you scale and protect your applications using data and insights to enable peak performance. Whether you're delivering applications to your customers, your workforce, or both, NetScaler helps you do it reliably and securely.

NetScaler is built on a single operating system, so no matter which ADC form factor you choose — hardware or software or a mix — you'll manage them from one place. The operational consistency and deep observability you get with NetScaler makes it easier to apply consistent security policies and to troubleshoot faster.

### NetScaler pooled capacity

NetScaler offers zero-capacity appliances for an easier, more cost-effective transition to cloud.

Pooled capacity allows you to share existing processing capacity among your NetScaler appliances, regardless of form factor or location in a data center or cloud, reducing the cost of adopting a cloud-based

infrastructure. It allows you to scale your NetScaler infrastructure up and down on demand for a more agile application environment.

### Key benefits of zero-capacity appliances

Zero-capacity appliances allow licenses to be easily portable, enabling you to bring your own capacity (BYOC) to the cloud. You can share and transfer existing processing capacity across all NetScaler form factors (regardless of their location), across multiple data centers or clouds, and from a centralized location using NetScaler's management plane.

Zero-capacity appliances allow automated provisioning and sharing of processing capacity, maintained in NetScaler's management plane, across all NetScaler appliances. This creates a far more efficient usage of ADC infrastructure.

Driven by constantly changing security, performance, and infrastructure requirements, refresh cycles that traditionally have occurred every five years now take place every two to three years. As a result, customers looking to stay current incur a huge cost. With NetScaler technology, now including pooled capacity, you can keep porting your existing software to new appliances.

NetScaler models	MPX/SDX 26000Z	MPX/SDX 26000Z-50S	MPX/SDX 26000Z-100G
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**Attributes**

Memory	256 GB	256 GB	256 GB
Ethernet ports <sup>1</sup>	8x 100GE QSFP28 16x 25G SFP28	4x 50GE QSFP28; 16x 25GE SFP28	8x 100GE QSFP28
Transceivers support	50GE/100GE QSFP28: SR4 40GE QSFP+: SR4 25GE SFP28: SR (Adapter required) 10GE SFP+: SR, LR (Adapter required) 25GE SFP28 port: 25GE SFP28: SR 10GE SFP+: SR, LR	50GE QSFP28 port- 50GE/ 100GE QSFP28: SR4 40GE QSFP+: SR4 25GE SFP28: SR (Adapter required) 10GE SFP+: SR, LR (Adapter required) 25GE SFP28 port- 25GE SFP28: SR 10GE SFP+: SR, LR	50GE/100GE QSFP28: SR4 40GE QSFP+: SR4 25GE SFP28: SR (Adapter required) 10GE SFP+: SR, LR (Adapter required)

**Performance**

System throughput (Gbps) [L7 throughput]	100-200	100-200	100-200
L7 HTTP requests/sec	Up to 5,400,000	Up to 6,500,000	Up to 5,500,000
SSL transactions/sec (2k key certificates) <sup>2</sup>	Up to 310,000	Up to 522,000	Up to 125,000
ECDHE transactions/sec	Up to 130,000	Up to 230,000	Up to 58,000
SSL throughput (Gbps)	Up to 80	Up to 120	Up to 60
Compression throughput (Gbps)	Up to 22	Up to 22	Up to 18
ICA Proxy/SSL VPN concurrent users	20,000	20,000	20,000
Maximum instances (on SDX models)	115	115	115

**Mechanical, environmental, and regulatory**

Power supplies	2	2	2
Input voltage, frequency range	100-240 VAC full range, 50-60 Hz	100-240 VAC full range, 50-60 Hz	100-240 VAC full range, 50-60 Hz
Optional DC power supply	Yes	No	Yes
Power supply	1000W	1200W	1000W
Typical, max power consumption	583W, 718W	670W, 809W	429W, 556W
Weight (lbs)	48	48	48
Height	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets		
Depth	71.1 cm (28 in)	71.1 cm (28 in)	71.1 cm (28 in)
Operating temperature	0-45°C (32-113°F)	0-45°C (32-113°F)	0-45°C (32-113°F)
Allowed relative humidity	5%-95%, Non-condensing	5%-95%, Non-condensing	5%-95%, Non-condensing
Safety certifications	IEC/EN/UL/CSA/AS/NZS 62368-1 and 60950-1		
Electromagnetic emissions certifications & susceptibility standard	US (FCC (Part 15 Class A)), Europe (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (CUTR), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)		
Regulatory compliance	RoHS, WEEE, REACH		
NetScaler compliance regulatory model	2U1P1D	2U1P2A	2U1P1D

1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012.

2. Performance varies depending on ciphers deployed. Contact your NetScaler sales representative for details.

NetScaler models Attributes	MPX/SDX 16000Z	MPX/SDX 15000Z
Memory	128 GB, 256 GB	128 GB
Ethernet ports <sub>1</sub>	4x100G QSFP28+ 8x25GE SFP28	16x 25GE SFP28
Transceivers support	25G SFP28; 10G SFP+: SR, LR, DAC; 1G SFP: Base-T; 50G/100G QSFP28; 40G QSFP+: 25G/10G SFP28 SR LC (adaptor required); 10G/1G SFP+: SR LR, 10G DAC/AOC (adaptor required)	25GE SFP28: SR 10GE SFP+: SR, LR

**Performance**

System throughput (Gbps) [L7 throughput]	30-200	20 - 120
L7 HTTP requests/sec	Up to 5,800,000	Up to 3,900,000
SSL transactions/sec (2k key certificates) <sub>2</sub>	Up to 265,000	Up to 160,000
ECDHE transactions/sec SSL	Up to 130,000	Up to 65,000
SSL throughput (Gbps)	Up to 115	Up to 74
Compression throughput (Gbps)	Up to 36	Up to 10.8
ICA Proxy/SSL VPN concurrent users	Up to 30,000	20,000
Maximum instances (on SDX models)	55	55

**Mechanical, environmental, and regulatory**

Power supplies	2	2
Input voltage, frequency range	100-240VAC full range 50-60 Hz 7.0 - 2.6 A	100-240 VAC full range, 50-60 Hz
Optional DC power supply	No	Yes
Power supply	850W	1000W
Typical, max power consumption	465W, 584W	395W, 520W
Weight (lbs)	56	60
Height	2U	2U
Width	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks
Depth	71.1 cm (28 in)	71.1 cm (28 in)
Operating temperature	0-45°C(32-113°F)	0-45°C (32-113°F)
Allowed relative humidity	5%-95%, Non-condensing	5%-95%, Non-condensing
Safety certifications	IEC/EN/UL/CSA/AS/NZS 62368-1 and 60950-1	IEC/EN/UL/CSA/AS/NZS 62368-1 and 60950-1
Electromagnetic emissions certifications & susceptibility standard	US (FCC (Part 15 Class A)), Canada (ICES-003), EU(CE (EN55032/55035)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	US (FCC (Part 15 Class A)), Canada (ICES-003) EU (CE (EN 55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)
Regulatory compliance	RoHS, WEEE, REACH	RoHS, WEEE, REACH
NetScaler compliance regulatory model	2U2P3A	2U1P1A

NetScaler models	MPX/SDX 9100Z	MPX 5900Z
<b>Attributes</b>		
Memory	64GB	16 GB
Ethernet ports <sup>1</sup>	8 x 25GE SFP28	2x 10GE SFP; 6x 10/100/1000 CU
Transceivers support	25GE SFP28: SR; 10GE SFP+: SR, LR	10GE SFP+: SR, LR; 1GE SFP: CU
<b>Performance</b>		
System throughput (Gbps) [L7 throughput]	10-30	Up to 10
L7 HTTP requests/sec	Up to 2,100,000	Up to 900,000
SSL transactions/sec (2k key certificates) <sup>2</sup>	Up to 41,000	Up to 12,000
ECDHE transactions/sec	Up to 19,000	Up to 6,000
SSL throughput (Gbps)	Up to 30	Up to 8
Compression throughput (Gbps)	Up to 6.1	Up to 2.5
ICA Proxy/SSL VPN concurrent users	Up to 17,000	5,000
Maximum instances (on SDX models)	7	N/A
<b>Mechanical, environmental, and regulatory</b>		
Power supplies	1 (2nd optional)	1 (2nd optional)
Input voltage, frequency range	100-240 VAC full range, 50-60 Hz	100-240VAC full range
Optional DC power supply	No	Yes
Power supply	450W	450W
Typical power consumption	250W, 282W	154W, 187W
Weight (lbs)	37	25
Height	1U	1U
Width	EIA 310-D for 19-inch racks	EIA 310-D for 19-inch racks
Depth	61 cm; 24 in	61 cm (24 in)
Operating temperature	0-45°C (32-113°F)	0°C-45°C (32-113°F)
Allowed relative humidity	5%-95%, Non-condensing	5%-95%, Non-condensing
Safety certifications	IEC/EN/UL/CSA/AS/NZS 62368-1 and 60950-1	IEC/EN/UL/CSA/AS/NZS 62368-1 and 60950-1
Electromagnetic emissions certifications & susceptibility standard	US (FCC (Part 15 Class A)), Canada (ICES-003), EU(CE(EN55032/55024)), Australia (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), Russia (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA), Israel (MoC)	FCC, CE, VCCI, RCM, CCC, KCC, BIS, NOM, CITC, ICASA, EAC
Regulatory compliance	RoHS, WEEE, REACH	RoHS, REACH, WEEE
NetScaler compliance regulatory model	1U2P2A	1U1P1A

## NetScaler Platform

## MPX 5900Z

## Attributes

Memory	16GB
Ethernet Ports <sup>1</sup>	2x 10GE SFP; 6x 10/100/1000 CU
Transceivers Support	10GE SFP+: SR, LR; 1GE SFP: CU

## Performance

System Throughput (Gbps) [L7 Throughput]	Up to 10 Gbps
L7 HTTP Requests/sec	Up to 900,000
SSL Transactions/sec (2K Key Certificates) <sup>2</sup>	Up to 12,000
ECDHE Transactions/sec	Up to 6,000
SSL Throughput (Gbps)	8
Compression Throughput (Gbps)	2.5
ICA Proxy/SSL VPN Concurrent Users	5,000
Maximum Instances (on SDX Platforms)	N/A

## Mechanical, Environmental, and Regulatory

Power Supplies	1 (2nd Optional)
Input Voltage, Frequency Range	100-240 VAC full range
Optional DC Power Supply	Yes
Power Supply	450 W
Typical Power Consumption	154W, 187W
Weight (lbs)	25
Height	1U
Width	EIA 310-D for 19 inch racks
Depth	61 cm (24 in)
Operating Temperature	0-45C (32-113F)
Allowed Relative Humidity	5%-95%, Non-condensing
Safety Certifications	IEC/EN/UL/CSA/AS/NZS 62368-1 and 60950-1
Electromagnetic Emissions Certifications & Susceptibility Standard	FCC, CE, VCCI, RCM, CCC, KCC, BIS, NOM, CITC, ICASA, EAC
Regulatory Compliance	RoHS, WEEE, REACH
NetScaler Compliance Regulatory Model	1U1P1A

NetScaler models	VPX
<b>Attributes</b>	
Memory	8-24 GB
Max vCPUs	2-20
Recommended network driver	Emulation or Paravirtualization
Hypervisor supported	Xen, ESX, KVM, HyperV
<b>Performance</b>	
System Throughput (Gbps) [L7 Throughput]	Up to 100
SSL Transactions/sec (2K Key Certificates) <sup>2</sup>	Up to 20,000
SSL Throughput (Gbps)	Up to 30
ICA Proxy/SSL VPN concurrent users	Up to 3,000

1. Published Ethernet interfaces compliant per IEEE802.3-2002/2005/2008/2012.  
 2. Performance varies depending on ciphers deployed. Contact your NetScaler sales representative for details.