

# NetScaler FIPS Data Sheet

Delivering scalability and performance for enterprises with the highest security requirements

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 factors 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.

With Citrix Universal Hybrid Multi-Cloud License and Citrix Platform License, you can reallocate throughput capacity and instances to wherever you need them at any time. No matter where you choose to deploy your ADCs — on-premises, public cloud, or both — your subscription price will remain the same.

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## NetScaler FIPS

### What is FIPS?

The Federal Information Processing Standard (FIPS) 140-2 and 140-3 are standards and guidelines developed by National Institute of Standards and Technology (NIST) used to evaluate and approve cryptographic modules.

### NetScaler FIPS

NetScaler offers specific physical and virtual platforms with FIPS FIPS 140-2 certification and FIPS 140-3 certification (in process) to meet the most stringent compliance mandates and security requirements.

Learn more about NetScaler FIPS 140-2 compliance by visiting the [NetScaler Trust Center](#)

### Key NetScaler links

[Compare features by subscription](#)

Engage with the [NetScaler Community](#)

Leverage [NetScaler Github](#)

# NetScaler models

MPX 15000Z-50G FIPS

MPX 9100Z FIPS

MPX 8900Z FIPS

## Attributes

FIPS Standard	140-2 Level 2 Certified (#4043) 140-3 Level 2 <a href="#">Module In Process</a>	140-3 Level 2 <a href="#">Module In Process</a>	140-2 Level 2 Certified (#4043) 140-3 Level 2 <a href="#">Module In Process</a>
Memory	128 GB	64 GB	32 GB
Ethernet ports <sup>1</sup>	8 x 4 x 50GE QSFP28; 8 x 10GE SEPa SFP28	8 x 25GbE SFP28	4 x 10GE SFP+; 6x
Transceivers support	50GE QSFP28 Port: 50GE/100GE QSFP28: SR4; 40GE QSFP+: SR4; 25GE SFP28:SR (Adapterrequired); 10GE SFP+: SR,LR (Adapter required); 10GE SP+ Port: 10GE SFP+: SR, LR	SFP28: 25/10GbE SFP28 SR, DAC 10/1GbE SFP+ SR, LR 10GbE DAC 1GBase	10GE SFP+: SR, LR
RAID support	Yes	No	No

## Performance

System throughput (Gbps) [L7 throughput]	30-120	10-95	5-20
L7 HTTP request/second	4,000,000	3,000,000	1,700,000
SSL transactions/second (2k key certificates) <sup>2</sup>	160,000	90,000	22,000
EDCHE transactions/second	65,000	39,000	10,000
SSL throughput (Gbps)	74	55	19
Compression throughput (Gbps)	10.7	12	4
ICA Proxy/SSL VPN concurrent users	20,000	10,000	20,000

## Mechanical, environmental, and regulatory

Power supplies	2	2	1 (2nd optional)
Input voltage, frequency range	100–240 VAC full range, 50–60 Hz Hz	100–240 VAC full range, 50–60 Hz	100–127/200–240 V 50–60 Hz
Optional DC power supply	Yes	No	Yes
Max Power supply	1000W	540W	450W
Typical, max power consumption	364W, 487W	250W, 282W	225W, 275W
Weight (lb)	39	37	25
Height	2U	1U	1U
Width	EIA 310-D, IC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D for 19-inch racks	EIA 310-D for 19 inch racks
Depth	71.1 cm (28 in)	61 cm; 24 in	61 cm (24 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		
Safety certifications	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 (EN 55032/55035)), Australia/NZ (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), EAEU (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA)		
Regulatory compliance	RoHS, WEEE, REACH		
NetScaler compliance regulatory model	2U1P1A	1U2P2A	1U1P1A

### Notes:

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.

3 All 8900 and 9100 series have 80plus platinum rating for power supply. All 15000-50G series have 80plus gold rating for power supply.

NetScaler models	MPX 9130 FIPS	MPX 8910 FIPS	VPX FIPS
<b>Attributes</b>			See NetScaler software section of non-FIPS data sheet, page 5
FIPS Standard	140-3 Level 2 <a href="#">Module In Process</a>	140-2 Level 2 Certified (#4043) 140-3 Level 2 <a href="#">Module In Process</a>	140-2 Level 1 Certified (#4098) 140-3 Level 1 <a href="#">Module In Process</a>
Memory	64 GB	32 GB	
Ethernet ports <sup>1</sup>	8 x 25GbE SFP28	4 x 10GE SFP+;6x	
Transceivers support	SFP28: 25/10GbE SFP28 SR, DAC 10/1GbE SFP+ SR, LR 10GbE DAC 1GBase	10GE SFP+: SR, LR	
RAID support	No	No	
<b>Performance</b>			
System throughput	30		
System throughput (Gbps) [L7 throughput]		10	
L7 HTTP request/second	1,800,000	1,400,000	
L4 connections/sec		800,000	
L4 concurrent sessions		14,000,000	
SSL transactions/second (2k key certificates) <sup>2</sup>	35,000	13,000	
EDCHE transactions/second	15,000	6,000	
SSL throughput (Gbps)	30	10	
Compression throughput (Gbps)	7	22	
ICA Proxy concurrent users	30,000	3.5	
<b>Mechanical, environmental, and regulatory</b>			
Power supplies	2	1 (2nd optional)	
Input voltage, frequency range	100–240 VAC full range, 50–60 Hz	100–127/200–240 V 50–60 Hz	
Optional DC power supply	No	Yes	
Max Power supply	450W	450W	
Typical, max power consumption	250W, 282W	225W, 275W	
Weight (lb)	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)	0–45°C (32–113°F)	
Allowed relative humidity	5%–95%, Non-condensing		
Safety certifications	IEC/EN/UL/CSA/AS/NZS 62368-1 and 60950-1		

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Electromagnetic emissions certifications & susceptibility standard	US (FCC (Part 15 Class A)), Canada (ICES-003), EU (CE (EN 55032/55035)), Australia/NZ (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), China (CCC), India (BIS), EAEU (EAC), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA)		
Regulatory compliance	RoHS, WEEE, REACH		
NetScaler compliance regulatory model	1U2P2A		

Notes:

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.

3 All 8900 and 9100 series have 80plus platinum rating for power supply.



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