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NetScaler FIPS

Delivering scalability and performance for enterprises with the highest security requirements

Citrix Products
NetScaler

Data Sheet

NetScaler FIPS

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 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.

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.

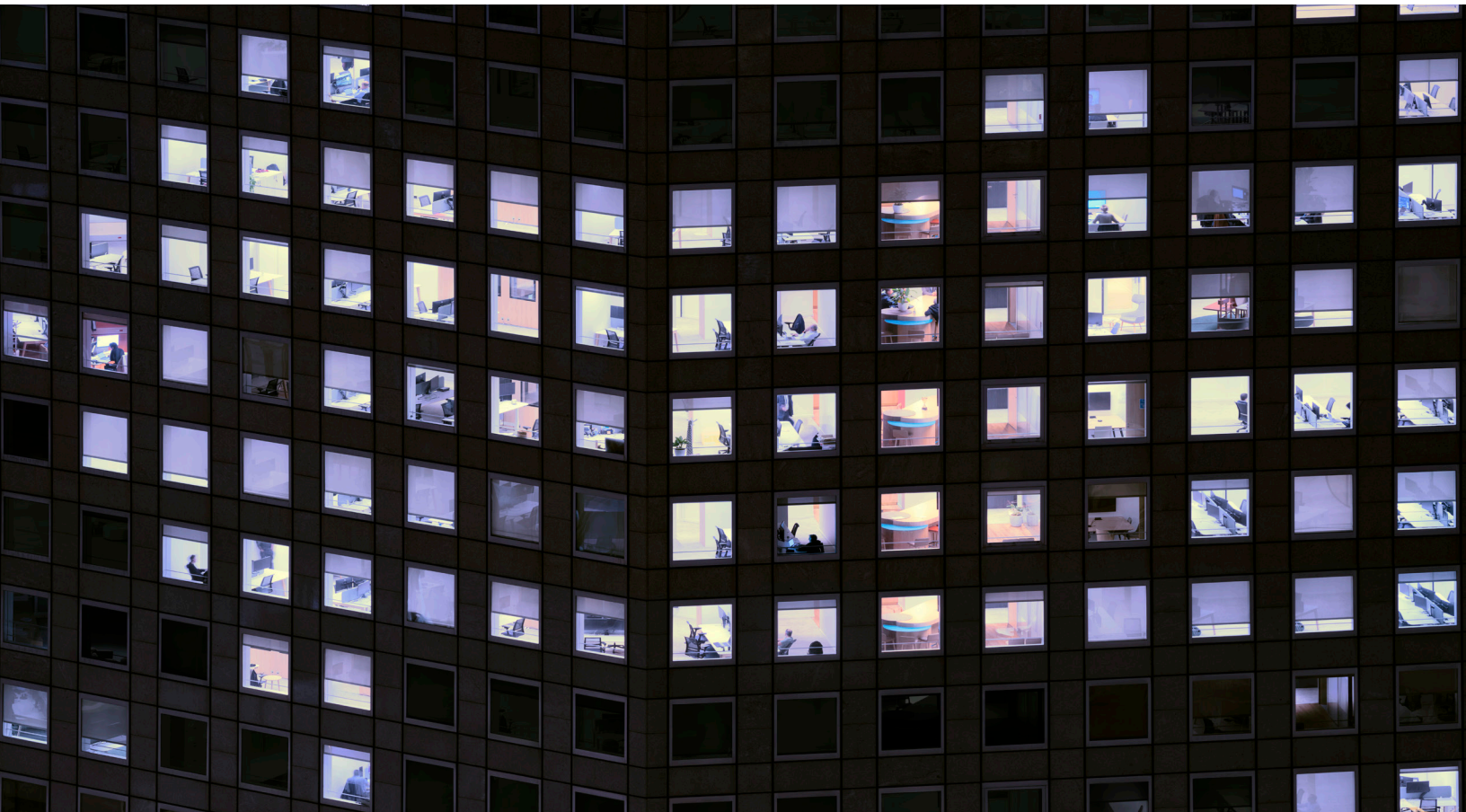
NetScaler FIPS

NetScaler offers specific physical and virtual platforms with FIPS 140-2 certification and FIPS 140-3 certification to meet the most stringent compliance mandates and security requirements. NetScaler MPX 9100 FIPS and 8900 FIPS (release version 13.1) are on DoDIN Approved Product List.

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



Zero-capacity hardware

NetScaler models	MPX 9100Z FIPS
Attributes	
FIPS Standard	140-3 Level 2 Certified (#5342)
Memory	128 GB
Ethernet ports[1]	8 x 50GbE SFP28
Transceivers support	SFP28: 50GbE SFP56 SR, AOC, DAC 25GbE SFP28 SR & LR, AOC, DAC 10GbE SFP+ SR & LR, AOC, DAC
RAID support	No
Performance	
System throughput (Gbps) [L4/L7 throughput]	10-95
L4/L7 HTTP request/second	Up to 6,800,000
SSL transactions/second (2k key certificates)[2]	Up to 112,000
EDCHE transactions/second	Up to 96,000
SSL throughput (Gbps)	Up to 64
Compression throughput (Gbps)	Up to 28
ICA Proxy/SSL VPN concurrent users	Up to 17,000
Mechanical, environmental, and regulatory	
Power supplies	2
Input voltage, frequency range	100–127/200-240 VAC, 50–60 Hz
Optional DC power supply	No
Power supply	800W
Typical, max power consumption	300W, 406W
Weight (lb)	25.6
Height	U1
Width	EIA 310-D for 19-inch racks
Depth	21.7 in (55 cm)
Operating temperature	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 certification & susceptibiliy standard	US (FCC (Part 15 Class A)), Canada (ICES-003), EU (CE (EN 55032/55035)), Australia/NZ (RCM), Japan (VCCI), Korea (KCC), Taiwan (BSMI), India (BIS), 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 9200 series have 80plus platinum rating for power supply.

Fixed Capacity section

NetScaler models	MPX 9130 FIPS
Attributes	
FIPS Standard	140-3 Level 2 Certified (#5342)
Memory	128GB
Ethernet ports[1]	8 x 50GbE SFP28
Transceivers support	50GbE SFP56 SR, AOC, DAC 25GbE SFP28 SR & LR, AOC, DAC 10GbE SFP+ SR & LR, AOC, DAC
RAID support	No
Performance	
System throughput (Gbps) [L4/L7 throughput]	30
L4/l7 HTTP request/second	3,731,000
SSL transactions/second (2k key certificates)[2]	62,000
EDCHE transactions/second	50,000
SSL throughput (Gbps)	30
Compression throughput (Gbps)	14
ICA Proxy concurrent users	Up to 14,000
Mechanical, environmental, and regulatory	
Power supplies	2
Input voltage, frequency range	100–127/200-240 VAC, 50–60 Hz
Optional DC power supply	No
Power supply	800W
Typical, max power consumption	300W, 406W
Weight (lb)	25.6
Height	1U
Width	EIA 310-D for 19-inch racks
Depth	21.7 in (55 cm)
Operating temperature	0–45°C (32–113°F)
Allowed relative humidity	5%–95%, Non-condensing
Safety certifications	EIC/EN/UL/CSA/AS/NZS 62368-1 and 60905-1
Electromagnetic emissions certification & 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), India (BIS), Saudi Arabia (CITC), Brazil (Anatel), South Africa (ICASA), Mexico (NOM), Egypt (NTRA)
Regulatory compliance	RoHS, WEEE, REACH
NetScaler compliance regulatory model	1U3P3A

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.

Fixed Capacity section

NetScaler models	VPX 5G FIPS Premium
Attributes	
FIPS Standard	140-3 Level 2 Certified (#5391)
vCPU	6
Memory	12 GB
NICs	2-4 NICs
Performance	
System throughput (Gbps) [L4/L7 throughput]	5,000
L4/l7 HTTP request/second	234,000
SSL transactions/second (2k key certificates)[2]	6,000
EDCHE transactions/second	5,000
SSL throughput (Gbps)	5,000
Compression throughput (Gbps)	5,000
Concurrent TCP sessions	2,800,000

Notes:

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

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