

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.

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 Module In Process | 140-3 Level 2 Module In Process | 140-2 Level 2 Certified (#4043) 140-3 Level 2 Module In Process |
| Memory | 128 GB | 64 GB | 32 GB |
| Ethernet ports ¹ | 8 x 4 x 50GE QSFP28; 8 x 10GE SEPa SFP28 | 8 x 25GE SFP28 | 4 x 10GE SFP+; 6x |
| Transceivers support | 50GE QSFP28 Port: 50GE/100GE QSFP28: SR4; 40GE QSFP+: SR4; 25GE SFP28: SR (Adapter required); 10GE SFP+: SR, LR (Adapter required); 10GE SP+ Port: 10GE SFP+: SR, LR | 25GE SFP28: SR; 10GE SFP+: SR, LR | 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) ² | 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

Attributes

See NetScaler software section of non-FIPS data sheet, page 5

| | | | |
|---------------|---|--|--|
| FIPS Standard | 140-3 Level 2 Module In Process | 140-2 Level 2 Certified (#4043) 140-3 Level 2 Module In Process | 140-2 Level 1 Certified (#4098) 140-3 Level 1 Module In Process |
|---------------|---|--|--|

| | | | |
|-----------------------------|-------|-------------------|--|
| Memory | 64 GB | 32 GB | |
| Ethernet ports ¹ | | 4 x 10GE SFP+;6x | |
| Transceivers support | | 10GE SFP+: SR, LR | |
| RAID support | No | No | |

Performance

| | | | |
|--|-----------|------------|--|
| 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) ² | 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 | |

Mechanical, environmental, and regulatory

| | | | |
|--|---|-----------------------------|--|
| 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 | | |
| 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.



Enterprise Sales

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Locations

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