Trellix

Trellix Intrusion Prevention System

Physical appliance specifications

Trellix Intrusion Prevention System (IPS) discovers and blocks sophisticated malware threats across the network.

Sensor Hardware Model: NS9500						
	10 Gbps license (1 unit)	20 Gbps license (1 unit)	30 Gbps license (1 unit)	40 Gbps license (2 units)	60 Gbps license (2 units)	100 Gbps license (4 units)
Performance						
Aggregate performance	10 Gbps	20 Gbps	30 Gbps	40 Gbps	60 Gbps	100 Gbps
Maximum throughput (UDP 1512-byte packets)	Up to 15 Gbps	Up to 25 Gbps	Up to 35 Gbps	Up to 50 Gbps	Up to 70 Gbps	Up to 100 Gbps
Maximum concurrent connections	10,000,000	13,000,000	16,000,00	26,000,000	32,000,000	64,000,000
Connections per second	450,000	525,000	650,000	1,000,000	1,300,000	2,500,000
HTTP connections per second	260,000	300,000	350,000	600,000	700,000	1,400,000
Throughput with SSL decryption (based on 10% SSL traffic)	10 Gbps	18 Gbps	26 Gbps	36 Gbps	52 Gbps	90 Gbps
Throughput with SSL decryption (100% SSL traffic)	8 Gbps	11 Gbps	15 Gbps	22 Gbps	30 Gbps	60 Gbps
Maximum SSL flow count	1,000,000	1,300,000	1,600,000	2,600,000	3,200,000	6,400,000
SSL keys imported	1,024	1,024	1,024	1,024	1,024	1,024
Number of virtual IPS systems	1,000	1,000	1,000	1,000	1,000	1,000
Maximum DoS profiles	5,000	5,000	5,000	5,000	5,000	5,000
ACL rules	10,000	20,000	30,000	20,000	30,000	30,000

Sensor Hardware Model: NS9500

	10 Gbps license (1 unit)	20 Gbps license (1 unit)	30 Gbps license (1 unit)	40 Gbps license (2 units)	60 Gbps license (2 units)	100 Gbps license (4 units)
Ports						
Fixed 10 GB ethernet/ 1 GB ethernet RJ45 ports—with internal fail-open	4	4	4	8	8	16
Fixed 100/40 GB ethernet ports	2	2	2	—	—	—
Network I/O slots	2	2	2	4	4	8
Network I/O modules (nine options)	• 2-port QSFP28 100/QSFP+ 40 GigE module • 4-port 10 GigE/1 GigE SR Optical 50 micron with fail-open • 4-port 10 GigE/1 GigE SR Optical 62.5 micron with fail-open • 4-port 10 GigE/1 GigE LR Optical with fail-open • 4-port (QSFP+) 40 GigE • 2-port (QSFP+) 40 GigE • 8-port (SFP+/SFP) 10 GigE/1 GigE • 6-port (RJ45) 1 GigE (with internal fail-open) • 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)					
10 GB ethernet	Up to 20	Up to 20	Up to 20	Up to 40	Up to 40	Up to 80
40 GB ethernet	Up to 10	Up to 10	Up to 10	Up to 16	Up to 16	Up to 32
100 GB ethernet	Up to 6	Up to 6	Up to 6	Up to 8	Up to 8	Up to 16
Dedicated response ports (RJ45)	1 (10G/1G)	1 (10G/1G)	1 (10G/1G)	2 (10G/1G)	2 (10G/1G)	4 (10G/1G)
Dedicated management ports (RJ45)	1 (10G/1G)	1 (10G/1G)	1 (10G/1G)	2 (10G/1G)	2 (10G/1G)	4 (10G/1G)

Sensor Hardware Model: NS9500

	10 Gbps license, 20 Gbps license, 30 Gbps license (1 unit)	40 Gbps license, 60 Gbps license (2 units)	100 Gbps license (4 units)
Physical			
Dimensions	17 ¼" (W) x 29 ¹⁄₁₆" (D) x 1 ¾" (H)	2 units each measure 17 ¼" (W) x 29 ¹⁄₁₆" (D) x 1 ¾" (H)	4 units each measure 17 ¼" (W) x 29 ¹⁄₁₆" (D) x 1 ¾" (H)
Weight	28.55 lbs	2 x 28.55 lbs	4 x 28.55 lbs
Storage	2x240 GB M.2 (SW RAID)	4x240 GB M.2 (SW RAID)	8x240 GB M.2 (SW RAID)
Maximum power consumption	—	2 x 598W	4 x 598W
DC power available	Optional	Optional	Optional
Spare power supply	Included	Included	Included
Power	100–240 VAC (50/60Hz)	100–240 VAC (50/60Hz)	100–240 VAC (50/60Hz)
Temperature	0° C to 35° C (operating) -40° C to 70° C (non-operating)	0° C to 35° C (operating) -40° C to 70° C (non-operating)	0° C to 35° C (operating) -40° C to 70° C (non-operating)
Relative humidity (non-condensing)	Operational: 10% to 90% Non-operational: 5% to 95%	Operational: 10% to 90% Non-operational: 5% to 95%	Operational: 10% to 90% Non-operational: 5% to 95%
Altitude	0 to 10,000 feet	0 to 10,000 feet	0 to 10,000 feet

Product regulatory compliance

Safety certification	UL 60950-1, UL 62368-1 (USA); CSA 22.2.No. 60950-1, CSA 22.2 No. 62368-1 (Canada); EN 60950-1, EN 62368-1 (Europe); CNS 14336-1 (Taiwan); GB 4943.1 (China) IEC 60950-1, IEC 62368-1 (International)—CB Scheme certificate and test report covering all applicable country deviations; IEC 60825 and 21CFR1040
EMI certification	FCC Part 15 Subpart B Class A (USA); CAN ICES-3 Class A (Canada); EN 55032, EN 55024, EN 55035, EN61000-3-2, EN61000-3-3 (Europe and International); KN32 and KN35 (South Korea); VCCI 32-1 (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 and GB 17625.1 (China)
ROHS compliance	Restriction of Hazardous Substances Compliance per applicable directives and standards (Europe, China, Taiwan, and international)

Sensor Hardware Model: NS7500

	3 Gbps license (1 unit)	5 Gbps license (1 unit)	7.5 Gbps license (1 unit)
Performance			
Aggregate performance	3 Gbps	5 Gbps	7.5 Gbps
Maximum throughput (UDP 1512-byte packets)	Up to 6 Gbps	Up to 9 Gbps	Up to 12 Gbps
Maximum concurrent connections	4,000,000	7,000,000	10,000,000
Connections per second	200,000	225,000	250,000
HTTP connections per second	115,000	140,000	170,000
Throughput with SSL decryption (based on 10% SSL traffic)	2.7 Gbps	4.5 Gbps	6.7 Gbps
Throughput with SSL decryption (100% SSL traffic)	2.4 Gbps	4 Gbps	6 Gbps
Maximum SSL flow count	400,000	700,000	1,000,000
SSL keys imported	1,024	1,024	1,024
Number of virtual IPS systems	1,000	1,000	1,000
Maximum DoS profiles	5,000	5,000	5,000
ACL rules	3,000	3,000	5,000

	3 Gbps license (1 unit),	5 Gbps license (1 unit),	7.5 Gbps license (1 unit)
Ports			
Fixed GB ethernet—copper ports (internal fail-open)	8		
Fixed 10 GigE/1 GigE (SFP+) ports	2		
Fixed 40 GB ethernet	—		
Network I/O slots	2		
Network I/O modules (six options)	• 4-port 10 GigE/1 GigE SR Optical 50 micron with fail-open • 4-port 10 GigE/1 GigE SR Optical 62.5 micron with fail-open • 4-port 10 GigE/1 GigE LR Optical with fail-open • 8-port (SFP+/SFP) 10 GigE/1 GigE • 6-port (RJ45) 1 GigE with internal fail-open • 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)		
10 GB ethernet	Up to 18		
40 GB ethernet	—		
Dedicated response ports (RJ45)	1 (10G/1G)		
Dedicated management ports (RJ45)	1 (10G/1G)		

DATA SHEET

Sensor Hardware Model: NS7500

3 Gbps license (1 unit),   5 Gbps license (1 unit),   7.5 Gbps license (1 unit)

Physical

Dimensions	17.31" (W) x 1.75" (H) x 29.13" (D)
Weight	25.5 lbs
Storage	Solid State 240 GB M.2
Maximum power consumption	300W
DC power available	Optional
Spare power supply	Included
Power	100–240 VAC (50/60Hz)
Temperature	0° C to 35° C (operating) -40° C to 70° C (non-operating)
Relative humidity (non-condensing)	Operational: 10% to 90% Non-operational: 5% to 95%
Altitude	0 to 10,000 feet

Product regulatory compliance

Safety certification	UL 60950-1, UL 62368-1 (USA); CSA 22.2.No. 60950-1, CSA 22.2 No. 62368-1 (Canada); EN 60950-1, EN 62368-1 (Europe); CNS 14336-1 (Taiwan); GB 4943.1 (China); IEC 60950-1, IEC 62368-1 (International)—CB Scheme certificate and test report covering all applicable country deviations; IEC 60825 and 21CFR1040
EMI certification	FCC Part 15 Subpart B Class A (USA); CAN ICES-3 Class A (Canada); EN 55032, EN 55024, EN61000-3-2, EN61000-3-3 (Europe and International); KN32 and KN35 (South Korea); VCCI 32-1 (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 and GB 17625.1 (China)
ROHS compliance	Restriction of Hazardous Substances Compliance per applicable directives and standards (Europe, China, Taiwan, and International)

Sensor Hardware Model: NS3200

	With 10.1 update 2 release and earlier	With 10.1 update 3 release and later
Performance		
Aggregate performance	200 Mbps	750 Mbps
Maximum throughput (UDP 1512-byte packets)	Up to 1 Gbps	Up to 1 Gbps
Maximum concurrent connections	80,000	100,000
Connections per second	20,000	25,000
HTTP connections per second	15,000	15,000
Throughput with SSL decryption (based on 10% SSL traffic)	—	—
Throughput with SSL decryption (100% SSL traffic)	—	—
Maximum SSL flow count	—	—
Number of virtual IPS systems	32	32
Maximum DoS profiles	128	128
ACL rules	1,000	1,000
Ports		
Fixed GB ethernet—copper ports (internal fail-open)	8	8
Fixed 1 GigE (SFP) ports	—	—
Fixed 10 GigE/1 GigE (SFP+) ports (external passive fail-open kit support)	—	—
Fixed 40 gigabit ethernet	—	—
Network I/O slots	—	—
Network I/O modules	—	—
10 gigabit ethernet	—	—
40 gigabit ethernet	—	—
Dedicated response ports (RJ45)	1 (1G/100M)	1 (1G/100M)
Dedicated management ports (RJ45)	1 (1G/100M)	1 (1G/100M)

Sensor Hardware Model: NS3200

	With 10.1 update 2 release and earlier	With 10.1 update 3 release and later
Physical		
Dimensions	1RU Rack Mountable 17.375" (W) x 1.75" (H) x 11.0" (D)	1RU Rack Mountable 17.375" (W) x 1.75" (H) x 11.0" (D)
Weight	8.1 lbs.	8.1 lbs.
Storage	Solid State 30 GB	Solid State 30 GB
Maximum power consumption	100W	100W
DC power available	—	—
Spare power supply	—	—
Power	100–240 VAC (50/60Hz)	100–240 VAC (50/60Hz)
Temperature	0° C to 35° C (operating) -40° C to 70° C (non-operating)	0° C to 35° C (operating) -40° C to 70° C (non-operating)
Relative humidity (non-condensing)	Operational: 10% to 90% Non-operational: 5% to 95%	Operational: 10% to 90% Non-operational: 5% to 95%
Altitude	0 to 10,000 feet	0 to 10,000 feet
Product regulatory compliance		
Safety certification	UL 60950-1, UL 62368-1 (USA); CSA 22.2.No. 60950-1, CSA 22.2 No. 62368-1 (Canada); EN 60950-1, EN 62368-1 (Europe); CNS 14336-1 (Taiwan); GB 4943.1 (China); IEC 60950-1, IEC 62368-1 (International)—CB Scheme certificate and test report covering all applicable country deviations; IEC 60825 and 21CFR1040	
EMI certification	FCC Part 15 Subpart B Class A (USA); CAN ICES-3 Class A (Canada); EN 55022, EN 55032, EN 55024, EN61000-3-2, EN61000-3-3 (Europe and International); KN32 and KN24 (South Korea); VCCI Class A (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 and GB 17625.1 (China)	
ROHS compliance	Restriction of hazardous substances compliance per applicable directives and standards (Europe, China, Taiwan, and international)	

To learn more about Trellix, visit trellix.com.

Trellix
6000 Headquarters Drive
Plano, TX 75024
www.trellix.com

Visit Trellix.com to learn more.

About Trellix
Trellix is a global company redefining the future of cybersecurity and soulful work. The company's open and native extended detection and response (XDR) platform helps organizations confronted by today's most advanced threats gain confidence in the protection and resilience of their operations. Trellix, along with an extensive partner ecosystem, accelerates technology innovation through machine learning and automation to empower over 40,000 business and government customers with living security. More at https://trellix.com.

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