SPECIFICATIONS SHEET

McAfee Network Security Platform

Physical Appliance Specifications

McAfee® Network Security Platform, a next-generation intrusion detection and prevention system (IDPS), discovers and blocks sophisticated malware threats across the network. For additional details, please see the **McAfee Network Security Platform data sheet**.

Virtual appliance models also available. To learn more, see the **McAfee Virtual Network Security Platform data sheet**.

Sensor Hardware Components	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	16,000,000	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
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

Sensor Hardware Components (cont.)	NS9500					
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
Ports						
Fixed 10 Gigabit Ethernet/1 Gigabit Ethernet RJ45 Ports—with internal fail-open	4	4	4	8	8	16
Fixed 100/40 Gigabit Ethernet Ports	2	2	2	N/A	N/A	N/A
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), or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)	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), or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)	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), or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)	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), or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)	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), or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)	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), or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)
10 Gigabit Ethernet	Up to 20	Up to 20	Up to 20	Up to 40	Up to 40	Up to 80
40 Gigabit Ethernet	Up to 10	Up to 10	Up to 10	Up to 16	Up to 16	Up to 32
100 Gigabit 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)

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Sensor Hardware Components (cont.)	NS9500					
Physical						
Dimensions	17 ¼" (W) x 29 1/16" (D) x 1 ¾" (H)	17 ¼" (W) x 29 1/16" (D) x 1 ¾" (H)	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)	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	28.55 lbs	28.55 lbs	2x 28.55 lbs	2x 28.55 lbs	4x 28.55 lbs
Storage	2x 240 GB M.2 (SW RAID)	2x 240 GB M.2 (SW RAID)	2x 240 GB M.2 (SW RAID)	4x 240 GB M.2 (SW RAID)	4x 240 GB M.2 (SW RAID)	8x 240 GB M.2 (SW RAID)
Maximum Power Consumption	598W			2x 598W	2x 598W	4x 598W
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 (USA); CSA 22.1.No. 60950-1 (Canada); EN 60950-1 (Europe); CNS 14336-1 (Taiwan); GB 4943-1 and GB 17625.1 (China) IEC 60950-1 (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 KN35 (South Korea) VCCI Class A (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 (China)					
ROHS Compliance	Restriction of Hazardous Substances Compliance per applicable directives and standards (Europe, China, Taiwan, and International)					

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Sensor Hardware Components	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
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
Ports			
Fixed Gigabit Ethernet—Copper Ports (internal fail-open)	8	8	8
Fixed 10 GigE/1 GigE (SFP+) Ports	2	2	2
Fixed 40 Gigabit Ethernet	—	—	—
Network I/O Slots	2	2	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, or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)		
10 Gigabit Ethernet	Up to 18	Up to 18	Up to 18
40 Gigabit Ethernet	—	—	—
Dedicated Response Ports (RJ45)	1 (10G/1G)	1 (10G/1G)	1 (10G/1G)
Dedicated Management Ports (RJ45)	1 (10G/1G)	1 (10G/1G)	1 (10G/1G)

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Sensor Hardware Components (cont.)	NS7500		
Physical			
Dimensions	17.31" (W) x 1.75" (H) x 29.13" (D)	17.31" (W) x 1.75" (H) x 29.13" (D)	17.31" (W) x 1.75" (H) x 29.13" (D)
Weight	25.5 lbs.	25.5 lbs.	25.5 lbs.
Storage	Solid State 240 GB M.2	Solid State 240 GB M.2	Solid State 240 GB M.2
Maximum Power Consumption	300W	300W	300W
DC Power Available	Optional	Optional	Optional
Spare Power Supply	Included	Included	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 22.1.No. 60950-1, CSA 22.1 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)		

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Sensor Hardware Components	NS3500		NS3200		NS3100	
	With 10.1 Update 2 release & earlier	With 10.1 Update 3 release & later	With 10.1 Update 2 release & earlier	With 10.1 Update 3 release & later	With 10.1 Update 2 release & earlier	With 10.1 Update 3 release & later
Performance						
Aggregate Performance	200 Mbps	750 Mbps	200 Mbps	750 Mbps	100 Mbps	750 Mbps
Maximum Throughput (UDP 1512-byte packets)	Up to 1 Gbps	Up to 1 Gbps	Up to 1 Gbps	Up to 1 Gbps	Up to 600 Mbps	Up to 1 Gbps
Maximum Concurrent Connections	80,000	100,000	80,000	100,000	40,000	100,000
Connections Established per Second	25,000	25,000	20,000	25,000	15,000	25,000
HTTP Connections per Second (using 1 GET with 5000 HTTP response)	15,000	15,000	15,000	15,000	12,000	15,000
Throughput with SSL Decryption (based on 10% SSL traffic)	—		—		—	
Maximum SSL Flow Count	—		—		—	
SSL Keys Imported	—		—		—	
Number of Virtual IPS Systems	32		32		16	
Maximum DoS Profiles	128		128		128	
ACL Rules	1,000		1,000		1,000	
Ports						
Fixed Gigabit Ethernet—Copper Ports (internal fail-open)	4		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)	1x 10/100/1000 Mbps		1 (1G/100M)		1 (1G/100M)	

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Sensor Hardware Components (cont.)	NS3500	NS3200	NS3100
Physical			
Dimensions	1RU Rack Mountable 9.45" (W) x 1.73" (H) x 6.54" (D)	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	2.65 lbs	8.1 lbs.	8.1 lbs.
Storage	32 GB Compact Flash	Solid State 30 GB	Solid State 30 GB
Maximum Power Consumption	30W	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 (USA); CSA 22.1.No. 60950-1 (Canada); EN 60950-1 (Europe); CNS 14336-1 (Taiwan); GB 4943-1 and GB 17625.1 (China) IEC 60950-1 (International)-CB Scheme certificate and test report covering all applicable country deviations	UL 60950-1 (USA); CSA 22.1.No. 60950-1 (Canada); EN 60950-1 (Europe); CNS 14336-1 (Taiwan); KN32 and KN35 (South Korea); GB 4943-1 and GB 17625.1 (China) IEC 60950-1 (International)—CB Scheme certificate and test report covering all applicable country deviations; IEC 60825 and 21CFR1040	
EMI Certification	FCC Part 15 Subpart B Class B (USA); CAN ICES-3 Class B (Canada); EN 55022, EN 55032, EN 55024, EN61000-3-2, EN61000-3-3 (Europe and International) KN32 and KN35 (South Korea); VCCI Class B (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 (China)	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) VCCI Class A (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 (China)	
ROHS Compliance	Restriction of Hazardous Substances Compliance per applicable directives and standards (Europe, China, Taiwan, and International)	Restriction of Hazardous Substances Compliance per applicable directives and standards (Europe, China, Taiwan, and International)	

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Sensor Hardware Components	NS7350	NS7250	NS7150
Performance			
Aggregate Performance	5 Gbps	3 Gbps	1.5 Gbps
Maximum Throughput (UDP 1512-byte packets)	Up to 10 Gbps	Up to 8 Gbps	Up to 5 Gbps
Maximum Concurrent Connections	10,000,000	5,000,000	3,000,000
Connections per Second	225,000	200,000	135,000
HTTP Connections per Second	135,000	128,000	115,000
Throughput with SSL Decryption (based on 10% SSL traffic)	5 Gbps	3 Gbps	1.5 Gbps
Maximum SSL Flow Count	500,000	400,000	250,000
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	5,000	3,000	3,000
Ports			
Fixed Gigabit Ethernet—Copper Ports (internal fail-open)	8	8	8
Fixed 10 GigE/1 GigE (SFP+) Ports	2	2	2
Fixed 40 Gigabit Ethernet	—	—	—
Network I/O Slots	2	2	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, or 4-port (RJ45) 10 GigE/1 GigE/100 Mbps (with internal fail-open)		
10 Gigabit Ethernet	Up to 18	Up to 18	Up to 18
40 Gigabit Ethernet	—	—	—
Dedicated Response Ports (RJ45)	1 (10G/1G)	1 (10G/1G)	1 (10G/1G)
Dedicated Management Ports (RJ45)	1 (10G/1G)	1 (10G/1G)	1 (10G/1G)

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Sensor Hardware Components (cont.)	NS7350	NS7250	NS7150
Physical			
Dimensions	17.31″ (W) x 1.75″ (H) x 29.13″ (D)	17.31″ (W) x 1.75″ (H) x 29.13″ (D)	17.31″ (W) x 1.75″ (H) x 29.13″ (D)
Weight	28 lbs.	28 lbs.	28 lbs.
Storage	Solid State 240 GB	Solid State 240 GB	Solid State 240 GB
Maximum Power Consumption	300W	300W	300W
DC Power Available	Optional	Optional	Optional
Spare Power Supply	Included	Included	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 (USA); CSA 22.1.No. 60950-1 (Canada); EN 60950-1 (Europe); CNS 14336-1 (Taiwan); KN32 and KN35 (South Korea); GB 4943-1 and GB 17625.1 (China) IEC 60950-1 (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) VCCI Class A (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 (China)		
ROHS Compliance	Restriction of Hazardous Substances Compliance per applicable directives and standards (Europe, China, Taiwan, and International)		

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Sensor Hardware Components	NS5200	NS5100
Performance		
Aggregate Performance	1 Gbps	600 Mbps
Maximum Throughput (UDP 1512-byte packets)	Up to 3 Gbps	Up to 1.5 Gbps
Maximum Concurrent Connections	1,350,000	750,000
Connections per Second	45,000	40,000
HTTP Connections per Second	30,000	25,000
Throughput with SSL Decryption (based on 10% SSL traffic)	1 Gbps	600 Mbps
Maximum SSL Flow Count	75,000	40,000
SSL Keys Imported	1,024	1,024
Number of Virtual IPS Systems	1,000	100
Maximum DoS Profiles	5,000	300
ACL Rules	2,000	2,000
Ports		
Fixed Gigabit Ethernet—Copper Ports (internal fail-open)	8	8
Fixed 1 GigE (SFP) Ports	12	12
Fixed 10 GigE/1 GigE (SFP+) Ports (external passive fail-open kit support)	2	2
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)

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Sensor Hardware Components (cont.)	NS5200	NS5100
Physical		
Dimensions	1RU Rack Mountable 17.25" (W) x 1.75" (H) x 24.625" (D)	1RU Rack Mountable 17.25" (W) x 1.75" (H) x 24.625" (D)
Weight	22 lbs.	22 lbs.
Storage	Solid State 80 GB	Solid State 80 GB
Maximum Power Consumption	225W	225W
DC Power Available	Optional	Optional
Spare Power Supply	Included	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 (USA); CSA 22.1.No. 60950-1 (Canada); EN 60950-1 (Europe); CNS 14336-1 (Taiwan); KN32 and KN35 (South Korea); GB 4943-1 and GB 17625.1 (China) IEC 60950-1 (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) VCCI Class A (Japan); AS/NZS CISPR 32 (Australia and New Zealand); CNS 13438 (Taiwan); GB 9254-2008 (China)	
ROHS Compliance	Restriction of Hazardous Substances Compliance per applicable directives and standards (Europe, China, Taiwan, and International)	

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