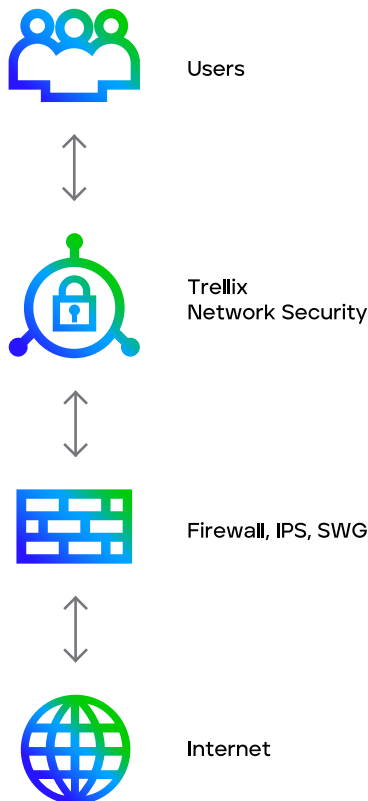




Trellix Network Security

Technical Specifications

Overview



Trellix Network Security is an effective cyberthreat protection solution that helps organizations minimize the risk of costly breaches by accurately detecting and immediately stopping advanced, targeted, and other evasive attacks hiding in internet traffic. It facilitates efficient resolution of detected security incidents in minutes with concrete evidence, actionable intelligence, and response workflow integration.

With Trellix Network Security, you're effectively protected against today's threats whether they:

- Exploit Microsoft Windows, Apple OS X, or application vulnerabilities
- Are directed at the headquarters or branch offices
- Are hidden in a large volume of inbound internet traffic that has to be inspected in real time

Trellix Network Security is available in a variety of form factors and deployment and performance options. It is typically placed in the path of internet traffic behind traditional network security appliances such as next generation firewalls, intrusion prevention systems (IPSs), and secure web gateways (SWG).

Trellix Network Security supplements these solutions by rapidly detecting both known and unknown attacks with high accuracy and a low rate of false positives, while facilitating an efficient response to each alert.

Figure 1. Typical configuration of Trellix Network Security solutions

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Table 1. Trellix Network Security specifications, integrated appliance - 6th generation

	4600 NX	5600 NX	6600 NX	8600 NX
OS Support	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 1 Gbps	Up to 2.5 Gbps	Up to 5 Gbps	Up to 10 Gbps
SmartVision mode performance	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps	Up to 20 Gbps
Network monitoring ports	4 X 1G RJ45 bypass 4 X 1G/10G SFP+ 4 X 10G SFP+	4 X 1G/10G RJ45 bypass 4 X 1G/10G SFP+ 4 X 10G SFP+	2 X 40G QSFP+ 4 X 10G SFP+ 2 X 1G/10G SFP+ 4 X 1G/10G RJ45 bypass	2 X 40G QSFP+ 4 X 10G SFP+ 2 X 1G/10G SFP+ 4 X 1G/10G RJ45 bypass 2 X 100G QSFP28
Network ports mode of operation	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN
High availability (HA)	1H '23	1H '23	1H '23	1H '23
Management ports (rear panel)	2 X 1G	2 X 1G/10G	2 X 1G/10G	2 X 1G/10G
IPMI port (rear panel)	100/1GbaseT	100/1GbaseT	100/1GbaseT	100/1GbaseT
VGA port	Yes	Yes	Yes	Yes
USB ports	4 X Type A USB ports (all rear)	2 X Type A USB ports (all rear)	2 X Type A USB ports (all rear)	2 X Type A USB ports (all rear)
Serial port (rear panel)	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit
Drive capacity	(2) 4 TB HDD, RAID 1, 3.5 inch, FRU	(2) 4 TB HDD, RAID 1, 3.5 inch, FRU	(2) 10 TB HDD, RAID 1, 3.5 inch, FRU	(2) 10 TB HDD, RAID 1, 3.5 inch, FRU
Enclosure	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack
Chassis dimension WxDxH	19in (482.6mm) x 26in (660.4mm) x 3.5in (88.9 mm)	19in (482.6mm) x 26.5in (673.1mm) x 3.5in (88.9mm)	19in (482.6mm) x 26.5in (673.1mm) x 3.5in (88.9mm)	19in (482.6mm) x 26.5in (673.1mm) x 3.5in (88.9mm)
AC power supply	Redundant (1+1), FRU, 920W with Input 100-240V, 11-4.4A, 50-60 Hz IEC60320-C14 inlet	Redundant (1+1), FRU, 1000W/1200W with Input 100-127/200-240Vac, 15-12A/8.5-7A, 50-60 Hz IEC60320-C14 inlet	Redundant (1+1), FRU, 1000W/1200W with Input 100-127/200-240Vac, 15-12A/8.5-7A, 50-60 Hz IEC60320-C14 inlet	Redundant (1+1), FRU, 1000W/1200W with Input 100-127/200-240Vac, 15-12A/8.5-7A, 50-60 Hz IEC60320-C14 inlet
Power consumption maximum (watts)	552 watts	852 watts	928 watts	1100 watts
Thermal dissipation maximum (BTU/h)	1883 BTU/h	2905 BTU/h	3164 BTU/h	3751 BTU/h
MTBF (h)	Coming soon	Coming soon	Coming soon	Coming soon
Appliance alone / as shipped weight lbs (kg)	39 lbs (17.69 kg) / 65 lbs (29.48 kg)	42 lbs (19.05 kg) / 68 lbs (30.84 kg)	43 lbs (19.5 kg) 69 lbs (31.3 kg)	43 lbs (19.5 kg) 69 lbs (31.3 kg)
Regulatory compliance safety	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368

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Table 1. Trellix Network Security specifications, integrated appliance - 6th generation (continued)

	4600 NX	5600 NX	6600 NX	8600 NX
Security certifications	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)
Regulatory compliance EMC	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35
Environmental compliance	RoHS REACH	RoHS REACH	RoHS REACH	RoHS REACH
Operating temperature	5-35°C 41-95°F	10-35°C 50-95°F	10-35°C 50-95°F	10-35°C 50-95°F
Non-operating temperature	-40-70°C -40-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F
Operating relative humidity	8-90% non-condensing	8-90% non-condensing	8-90% non-condensing	8-90% non-condensing
Non-operating relative humidity	5-95% non-condensing	5-95% non-condensing	5-95% non-condensing	5-95% non-condensing
Operating altitude	0-1,524 m 0-5,000 ft	0-1,524 m 0-5,000 ft	0-1,524 m 0-5,000 ft	0-1,524 m 0-5,000 ft

Table 2. Trellix Network Security IPS performance, integrated appliance - 6th generation

	4600 NX	5600 NX	6600 NX	8600 NX
Max IPS performance	1 Gbps	Up to 2.5 Gbps	Up to 5 Gbps	Up to 10 Gbps
Max concurrent connections	500 K	1 M	2 M	4 M
New connections per second	10K / Sec	20K / Sec	40K / Sec	80K / Sec

Table 3. Trellix Network Security smart node, physical specifications - 6th generation

	4600 NX	5600 NX	6600 NX	8600 NX
OS support	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps	Up to 20 Gbps
SmartVision mode performance	Up to 4 Gbps	Up to 10 Gbps	Up to 20 Gbps	Coming soon

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Table 3. Trellix Network Security smart node, physical specifications - 6th generation (continued)

	4600 NX	5600 NX	6600 NX	8600 NX
Network monitoring ports	4 X 1G RJ45 bypass 4 X 1G/10G SFP+ 4 X 10G SFP+	4 X 1G/10G RJ45 bypass 4 X 1G/10G SFP+ 4 X 10G SFP+	2 X 40G QSFP+ 4 X 10G SFP+ 2 X 1G/10G SFP+ 4 X 1G/10G RJ45 bypass	2 X 40G QSFP+ 4 X 10G SFP+ 2 X 1G/10G SFP+ 4 X 1G/10G RJ45 bypass 2 X 100G QSFP28
Network ports mode of operation	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN
High availability (HA)	N/A	N/A	N/A	N/A
Management ports (rear panel)	2 X 1G	2 X 1G/10G	2 X 1G/10G	2 X 1G/10G
IPMI port (rear panel)	100/1GbaseT	100/1GbaseT	100/1GbaseT	100/1GbaseT
VGA Port	Yes	Yes	Yes	Yes
USB ports	4 X Type A USB ports (all rear)	2 X Type A USB ports (all rear)	2 X Type A USB ports (all rear)	2 X Type A USB ports (all rear)
Serial port (rear panel)	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit
Drive capacity	(2) 4 TB HDD, RAID 1, 3.5 inch, FRU	(2) 4 TB HDD, RAID 1, 3.5 inch, FRU	(2) 10 TB HDD, RAID 1, 3.5 inch, FRU	(2) 10 TB HDD, RAID 1, 3.5 inch, FRU
Enclosure	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack
Chassis dimension WxDxH	19in (482.6mm) x 26in (660.4mm) x 3.5in (88.9 mm)	19in (482.6mm) x 26.5in (673.1mm) x 3.5in (88.9mm)	19in (482.6mm) x 26.5in (673.1mm) x 3.5in (88.9mm)	19in (482.6mm) x 26.5in (673.1mm) x 3.5in (88.9mm)
AC power supply	Redundant (1+1), FRU, 920W with Input 100-240V, 11-4.4A, 50-60 Hz IEC60320-C14 inlet	Redundant (1+1), FRU, 1000W/1200W with Input 100-127/200-240Vac, 15-12A/8.5-7A, 50-60 Hz IEC60320-C14 inlet	Redundant (1+1), FRU, 1000W/1200W with Input 100-127/200-240Vac, 15-12A/8.5-7A, 50-60 Hz IEC60320-C14 inlet	Redundant (1+1), FRU, 1000W/1200W with Input 100-127/200-240Vac, 15-12A/8.5-7A, 50-60 Hz IEC60320-C14 inlet
Power consumption maximum (watts)	552 watts	852 watts	928 watts	1100 watts
Thermal dissipation maximum (BTU / h)	1883 BTU/h	2905 BTU/h	3164 BTU/h	3751 BTU/h
MTBF (h)	Coming soon	Coming soon	Coming soon	Coming soon
Appliance alone/ as shipped weight lbs (kg)	39 lbs (17.69 kg) / 65 lbs (29.48 kg)	42 lbs (19.05 kg) / 68 lbs (30.84 kg)	43 lbs (19.5 kg) / 69 lbs (31.3 kg)	43 lbs (19.5 kg) / 69 lbs (31.3 kg)
Regulatory compliance safety	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368 EN 62368 BS EN 62368
Security certifications	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)

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Table 3. Trellix Network Security smart node, physical specifications - 6th generation (continued)

	4600 NX	5600 NX	6600 NX	8600 NX
Regulatory compliance EMC	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35	FCC Part 15 Class-A CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32 KN 35
Environmental compliance	RoHS REACH	RoHS REACH	RoHS REACH	RoHS REACH
Operating temperature	5-35°C 41-95°F	10-35°C 50-95°F	10-35°C 50-95°F	10-35°C 50-95°F
Non-operating temperature	-40-70°C -40-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F
Operating relative humidity	8-90% non-condensing	8-90% non-condensing	8-90% non-condensing	8-90% non-condensing
Non-operating relative humidity	5-95% non-condensing	5-95% non-condensing	5-95% non-condensing	5-95% non-condensing
Operating altitude	0-1,524 m 0-5,000 ft	0-1,524 m 0-5,000 ft	0-1,524 m 0-5,000 ft	0-1,524 m 0-5,000 ft

Table 4. Trellix Network Security smart node IPS, physical specifications - 6th generation

	4600 NX	5600 NX	6600 NX	8600 NX
Max IPS performance	2 Gbps	Up to 5 Gbps	Up to 10 Gbps	Up to 20 Gbps
Max concurrent connections	1 M	2 M	4 M	8 M
New connections per second	20K / Sec	40K / Sec	80K / Sec	160K / Sec

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Table 5. Trellix Network Security specifications, integrated appliance - 5th generation

	NX 2500	NX 2550	NX 3500	NX 4500	NX 5500	NX 6500
OS Support	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 50 Mbps or 100 Mbps	Up to 250 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2.5 Gbps	Up to 5 Gbps
SmartVision mode performance	Up to 100 Mbps or 200 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps
Network monitoring ports	4x 1GigE Bypass	4x 10GigE SFP+ 4x 1GigE Bypass	4x 10GigE SFP+ 4x 1GigE Bypass	8x 10GigE SFP+ 4x 1GigE Bypass	8x 10GigE SFP+ 4x 1GigE Bypass	8x 10GigE SFP+ 2x 40GigE QSFP+
Network ports mode of operation	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line, monitor, TAP/SPAN
High availability (HA)	Not available	Not available	Not available	Available	Available	Available
Management ports (rear panel)	2x 10/100/1000 BASE-T ports	2x 1GigE	2x 1GigE	2x 1GigE	2x 1GigE	2x 1GigE
IPMI port	Front panel	Rear panel	Rear panel	Rear panel	Rear panel	Rear panel
Front LCD & keypad	Not available	Not available	Not available	Not available	Not available	Not available
VGA port	No	Yes	Yes	Yes	Yes	Yes
USB ports	2x Type A USB ports (front panel)	4x Type A USB ports (all rear)	4x Type A USB ports 2 front, 2 rear	4x Type A USB ports 2 front, 2 rear	4x Type A USB ports 2 front, 2 rear	2x Type A USB ports
Serial port (rear panel)	115,200 bps, no parity, 8 bits, 1 stop bit (RJ45 connector RJ45-to-Dsub adapter cable is included)	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit
Drive capacity	Single 1TB 3.5 inch, SATA HDD, internal, fixed	2 x 4TB HDD, 3.5", SAS3, 7.2krpm, FRU RAID1	2 x 4TB HDD, 3.5", SAS3, 7.2krpm, FRU RAID1	2 x 4TB HDD, 3.5", SAS3, 7.2krpm, FRU RAID1	2 x 4TB HDD, 3.5", SAS3, 7.2krpm, FRU RAID1	2x 10TB HDD 3.5", SAS3, 7.2krpm FRU RAID1
Enclosure	1RU, Fits 19 inch rack	1RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack
Chassis dimension WxDxH	17.2in(437mm) x 19.7in(500mm) x 1.7in(43.2 mm)	17.2in(437mm) x 25.6in(650mm) x 1.7in(43.2mm)	17.24in(438mm) x 24.41in(620mm) x 3.48in(88.4mm)	17.24in(438mm) x 24.41in(620mm) x 3.48in(88.4mm)	17.24in(438mm) x 24.41in(620mm) x 3.48in(88.4mm)	17.2in(437mm) x 31.0in(787mm) x 3.5in(89mm)
AC power supply	Single 250 watt, 90-264 VAC, 3.5-1.5 A, 50-60 Hz, IEC60320-C14, inlet, internal, fixed	Redundant (1+1) 750 watt, 100-240 VAC 8.0-4.5A, 50-60 Hz IEC60320-C14 inlet, FRU	Redundant (1+1) 800 watt, 100-240 VAC 10.5-4.0A, 50-60 Hz IEC60320-C14 inlet, FRU	Redundant (1+1) 800 watt, 100-240 VAC 10.5-4.0A, 50-60 Hz IEC60320-C14 inlet, FRU	Redundant (1+1) 800 watt, 100-240 VAC 10.5-4.0A, 50-60 Hz IEC60320-C14 inlet, FRU	Redundant (1+1) 1000 watt, 100-240 VAC 10.5-4.0A, 50-60 Hz IEC60320-C14 inlet, FRU
Power consumption maximum (watts)	85 watts	265 watts	426 watts	519 watts	658 watts	660 watts
Thermal dissipation maximum (BTU/h)	290 BTU/h	904 BTU/h	1,454 BTU/h	1,771 BTU/h	2,245 BTU/h	2,252 BTU/h
MTBF (h)	108,944 h	54,200 h	65,466 h	57,766 h	52,802 h	54,041 h

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Table 5. Trellix Network Security specifications, integrated appliance - 5th generation (continued)

	NX 2500	NX 2550	NX 3500	NX 4500	NX 5500	NX 6500
Appliance alone / as shipped weight in lb. (kg)	16.2 lbs (7.3 kg) / 28.2 lbs (12.79 kg)	29.8 lbs (13.5 kg) / 40.8 lbs (18.5 kg)	37.4 lbs (17.0 kg) / 58.6 lbs (26.6 kg)	42.4 lbs (19.2 kg) / 63.5 lbs (28.8 kg)	42.7 lbs (19.2 kg) / 63.8 lbs (29.0 kg)	44 lbs (20 kg) / 71 lbs (32.2 kg)
Regulatory compliance safety	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2 CE Marking	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2 CE Marking	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2 CE Marking	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2 CE Marking	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2 CE Marking	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2 CE Marking
Security certifications	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v1.12.2e	FIPS 140-2 Level 1 CC NDCPP v1.12.2e	FIPS 140-2 Level 1 CC NDCPP v1.12.2e	FIPS 140-2 Level 1 CC NDCPP v1.12.2e
Regulatory compliance EMC	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015 Safety: EN 60950; C22.2; UL 60950; IEC 60950; CAN/ CSA-C22.2; K 60950; AS/ NZS 60950; GB 4943.1; J60950, SI60950 EMC: FCC Part 15 SubPart B Class A; ICES-003; EN55032; VCCI V-3; EN 55024; EN 61000; CNS 13438; CISPR32; KN 32; KN 35
Environmental compliance	RoHS Directive 2011/65/ EU REACH WEEE Directive 2012/19/ EU	RoHS Directive 2011/65/ EU REACH WEEE Directive 2012/19/ EU	RoHS Directive 2011/65/ EU REACH WEEE Directive 2012/19/ EU	RoHS Directive 2011/65/ EU REACH WEEE Directive 2012/19/ EU	RoHS Directive 2011/65/ EU REACH WEEE Directive 2012/19/ EU	RoHS; REACH; WEEE Conflict Minerals
Operating temperature	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F
Non-operating temperature	-20-80°C -4-176°F	-30-70°C -22-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F	-30-70°C -22-158°F
Operating relative humidity	5-85% at 40°C non-condensing	10-95% @ 40°C non-condensing	10-95% @ 40°C non-condensing	10-95% @ 40°C non-condensing	10-95% @ 40°C non-condensing	10-95% @ 40°C non-condensing
Non-operating relative humidity	5-85% at 40°C non-condensing	10-95% @ 60°C non-condensing	10-95% @ 60°C non-condensing	10-95% @ 60°C non-condensing	10-95% @ 60°C non-condensing	10-95% @ 55°C non-condensing
Operating altitude	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft

Table 6. Trellix Network Security IPS performance, integrated appliance - 5th generation

	NX 2500	NX 2550	NX 3500	NX 4500	NX 5500	NX 6500
Max IPS performance	Up to 50 Mbps or 100 Mbps	Up to 250 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2.5 Gbps	Up to 5 Gbps
Max concurrent connections	15K or 80K	80K	160K	500K	1M	2M
New connections per second	750/Sec or 4K/Sec	4K/Sec	8K/Sec	10K/Sec	20K/Sec	40K/Sec

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Table 7. Trellix Network Security smart node, physical specifications - 5th generation

	NX 1500	NX 2500	NX 2550	NX 3500	NX 4500	NX 5500	NX 6500
OS support	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 50 Mbps	Up to 100 Mbps or 250 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps
SmartVision mode performance	N/A	Up to 200 Mbps or 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 4 Gbps	Up to 10 Gbps	Up to 16 Gbps
Network monitoring ports	4x 10/100/1000 BASE-T ports	4x 1GigE bypass	4x 10GigE SFP+ 4x 1GigE bypass	4x 10GigE SFP+ 4x 1GigE bypass	8x 10GigE SFP+ 4x 1GigE bypass	8x 10GigE SFP+ 4x 1GigE bypass	8x 10GigE SFP+ 2x 40GigE QSFP
Network ports mode of operation	In-line monitor, fail-close or TAP	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line monitor, fail-open, fail-close (HW bypass) or TAP/SPAN	In-line, monitor, TAP/SPAN
High Availability (HA)	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Management ports (rear panel)	2x 10/100/1000 BASE-T Ports	2x 1GigE	2x 1GigE	2x 1GigE	2x 1GigE	2x 1GigE	2x 1GigE
IPMI port	Not available	Front panel	Rear panel	Rear panel	Rear panel	Rear panel	Rear panel
Front LCD & keypad	Not available	Not available	Not available	Not available	Available	Available	Available
VGA Port	Not available	Not available	Yes	Yes	Yes	Yes	Yes
USB ports	2x Type A USB ports	2x Type A USB ports (front panel)	4x Type A USB ports (all rear)	4x Type A USB ports (2 front, 2 rear)	4x Type A USB ports (2 front, 2 rear)	4x Type A USB ports (2 front, 2 rear)	2x Type A USB ports
Serial port (rear panel)	115,200 bps, No Parity, 8 bits, 1 Stop Bit (RJ45 connector; RJ45-to-Dsub adapter cable is included)	115,200 bps, No Parity, 8 bits, 1 Stop Bit (RJ45 connector; RJ45-to-Dsub adapter cable is included)	115,200 bps, No Parity, 8 Bits, 1 Stop Bit	115,200 bps, No Parity, 8 Bits, 1 Stop Bit	115,200 bps, No Parity, 8 Bits, 1 Stop Bit	115,200 bps, No Parity, 8 Bits, 1 Stop Bit	115,200 bps, No Parity, 8 bits, 1 Stop Bit
Drive capacity	Single 500 GB 2.5 inch SATA HDD, internal, fixed	Single 1 TB 3.5 inch SATA HDD, internal, fixed	2 x 4 TB HDD, 3.5", SAS3, 7.2 krpm, FRU RAID1	2 x 4 TB HDD, 3.5", SAS3, 7.2 krpm, FRU RAID1	2 x 4 TB HDD, 3.5", SAS3, 7.2 krpm, FRU RAID1	2 x 4 TB HDD, 3.5", SAS3, 7.2 krpm, FRU RAID1	2x 10 TB HDD 3.5", SAS3, 7.2 krpm FRU RAID1
Enclosure	Desktop form factor	1RU, Fits 19 inch rack	1RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack	2RU, Fits 19 inch rack
Chassis dimension WxDxH	11in (280mm) x 6.9in (175mm) x 1.7in (44mm)	17.2in (437mm) x 19.7in (500mm) x 1.7in (43.2mm)	17.2in (437mm) x 25.6in (650mm) x 1.7in (43.2mm)	17.24in (438mm) x 24.41in (620mm) x 3.48in (88.4mm)	17.24in (438mm) x 24.41in (620mm) x 3.48in (88.4mm)	17.24in (438mm) x 24.41in (620mm) x 3.48in (88.4mm)	17.2in (437mm) x 31.0in (787mm) x 3.5in (89 mm)
AC power supply	External 60 Watt 12V@5A Output AC Adapter, 90-264 VAC, 50-60 Hz, IEC60320-C14, inlet, FRU	Single 250 watt, 90-264 VAC, 3.5-1.5 A, 50-60 Hz, IEC60320-C14, inlet, internal, fixed	Redundant (1+1) 750 watt, 100-240 VAC, 9-4.5A, 50-60 Hz, IEC60320-C14 inlet, FRU	Redundant (1+1) 800 watt, 100-240 VAC, 9-4.5A, 50-60 Hz, IEC60320-C14 inlet, FRU	Redundant (1+1) 800 watt, 100-240 VAC, 9-4.5A, 50-60 Hz, IEC60320-C14 inlet, FRU	Redundant (1+1) 800 watt, 100-240 VAC, 10.5-4.0A, 50-60 Hz, IEC60320-C14 inlet, FRU	Redundant (1+1) 1000 watt, 100-240 VAC, 10.5-4.0A, 50-60 Hz, IEC60320-C14 inlet, FRU

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Table 7. Trellix Network Security smart node, physical specifications - 5th generation (continued)

	NX 1500	NX 2500	NX 2550	NX 3500	NX 4500	NX 5500	NX 6500	
Power consumption maximum (watts)	24 watts	85 watts	265 watts	426 watts	519 watts	658 watts	660 watts	
Thermal dissipation maximum (BTU / h)	82 BTU/h	290 BTU/h	904 BTU/h	1,454 BTU/h	1,771 BTU/h	2,245 BTU/h	2,252 BTU/h	
MTBF (h)	193,772 h	108,944 h	54,200 h	65,466 h	57,766 h	52,802 h	54,041 h	
Appliance alone/ as shipped weight lbs. (kg)	3.75 lbs (1.7 kg) / 6.5 lbs (2.95 kg)	16.2 lbs (7.3 kg) / 28.2 lbs (12.79 kg)	29.8 lbs (13.5 kg) / 40.8 lbs (18.5 kg)	37.4 lbs (17.0 kg) / 58.6 lbs (26.6 kg)	42.4 lbs (19.2 kg) / 63.5 lbs (28.8 kg)	42.7 lbs (19.4 kg) / 63.8 lbs. (29.0 kg)	44 lbs (20 kg) / 71 lbs (32.2 kg)	
Regulatory compliance safety	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	
Security certifications	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v2.2e	FIPS 140-2 Level 1 CC NDCPP v2.2e	
Regulatory compliance EMC	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	Safety: EN 60950; C22.2; UL 60950; IEC 60950; CAN/CSA-C22.2; K 60950; AS/NZS 60950; GB 4943.1; J60950, SI60950 EMC: FCC Part 15 SubPart B Class A; ICES-003; EN55032; VCCI V-3; EN 55024; EN 61000; CNS 13438; CISPR32; KN 32; KN 35
Environmental compliance	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS; REACH; WEEE Conflict Minerals	
Operating temperature	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	0-40°C 32-104°F	
Non-operating temperature	-20-80°C -4-176°F	-20-80°C -4-176°F	-30-70°C -22-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F	-40-70°C -40-158°F	-30-70°C -22-158°F	
Operating relative humidity	10-95% at 40°C non-condensing	5-85% at 40°C non-condensing	10-95% @ 40°C non-condensing	10-95% @ 40°C non-condensing	10-95% @ 40°C non-condensing	10-95% @ 40°C non-condensing	10%-90% @ 40°C non-condensing	
Non-operating relative humidity	10-95% at 60°C non-condensing	5-95% at 40°C non-condensing	10-95% @ 60°C, non-condensing	10-95% @ 60°C, non-condensing	10-95% @ 60°C non-condensing	10-95% @ 60°C non-condensing	10%-95% @ 55°C non-condensing	
Operating altitude	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	3,000 m 9,842 ft	

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Table 8. Trellix Network Security smart node IPS, physical specifications - 5th generation

	NX 1500	NX 2500	NX 2550	NX 3500	NX 4500	NX 5500	NX 6500
Max IPS performance	Up to 50 Mbps	Up to 100 / 250 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps
Max concurrent connections	15K	80K	160K	500K	1M	2M	4M
New connections per second	750/Sec	4K/Sec	8K/Sec	10K/Sec	20K/Sec	40K/Sec	80K/Sec

Table 9. Trellix Network Security smart node, virtual specifications

	VA-NXS 1500	VA-NXS 2500	VA-NXS 2550	VA-NXS 4500	VA-NXS 6500	VA-NXS 7500	VA-NXS 8500
OS support	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 50 Mbps	Up to 100 Mbps	Up to 250 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 5 Gbps
SmartVision mode performance	N/A	Up to 200 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 4 Gbps	Up to 10 Gbps
Evidence Collector license performance	N/A	Up to 200 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 4 Gbps	Up to 10 Gbps
Network monitoring ports	1-8	1-8	1-8	1-8	1-8	1-8	1-8
Network management ports	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2
Network ports mode of operation	Inline, SPAN	Inline, SPAN	Inline, SPAN	Inline, SPAN	Inline, SPAN	Inline, SPAN	Inline, SPAN
CPU cores	3	6	8	8	16	24	48
Memory	10 GB	16 GB	16 GB	32 GB	64 GB	128 GB	256 GB
Drive capacity	384 GB	384 GB	384 GB	512 GB	512 GB	512 GB	512 GB
Network adaptors	VMXNet3, vNIC	VMXNet3, vNIC	VMXNet3, vNIC	VMXNet3, vNIC	VMXNet3, vNIC	VMXNet3, vNIC	VMXNet3, vNIC
Hypervisor support	VMware ESXi 6.0 or later; KVM 1.5.3 or later	VMware ESXi 6.0 or later; KVM 1.5.3 or later; Hyper-V 10.0.14393 or later	VMware ESXi 6.0 or later; KVM 1.5.3 or later; Hyper-V 10.0.14393 or later	VMware ESXi 6.0 or later; KVM 1.5.3 or later; Hyper-V 10.0.14393 or later	VMware ESXi 6.0 or later; KVM 1.5.3 or later; Hyper-V 10.0.14393 or later	VMware ESXi 6.0 or later; KVM 1.5.3 or later	VMware ESXi 6.0 or later; KVM 1.5.3 or later
Security certifications	FIPS 140-2 Level 1 CC NDcPP v2.2e	FIPS 140-2 Level 1 CC NDcPP v2.2e	FIPS 140-2 Level 1 CC NDPP v2.2e	FIPS 140-2 Level 1 CC NDPP v2.2e	FIPS 140-2 Level 1 CC NDPP v2.2e	FIPS 140-2 Level 1 CC NDPP v2.2e	FIPS 140-2 Level 1 CC NDPP v2.2e

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Table 10. Trellix Network Security smart node IPS, virtual specifications

	VA-NXS 1500	VA-NXS 2500	VA-NXS 2550	VA-NXS 4500	VA-NXS 6500	VA-NXS 8500
Max IPS performance	Up to 50 Mbps	Up to 100 Mbps	Up to 250 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 5Gbps
Max concurrent connections	15K	80K	80K	160K	500K	2M
New connections per second	750/Sec	4K/Sec	4K/Sec	8K/Sec	10K/Sec	40K/Sec

Table 11. Trellix Network Security models in Amazon Web Services (AWS)

Model	Throughput	vCPU	Memory	Network interfaces	AWS instance type
Trellix NX	250 Mbps	4	16	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	m5.xlarge
		8	16	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	C5.2xlarge
	500 Mbps	4	32	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	R5.xlarge
		8	32	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	M5.2xlarge
		16	32	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	C5.4xlarge
		8	64	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	R5.2xlarge
	1 Gbps	16	64	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	M5.4xlarge
		36	72	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	C5.9xlarge
		48	96	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	C5.12xlarge
		16	128	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	R5.4xlarge
	2 Gbps	32	128	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	M5.8xlarge
		72	144	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	C5.18xlarge
	3 Gbps	32	256	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	R5.8xlarge
		48	192	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	m5.12xlarge
		96	192	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	c5.24xlarge
	5 Gbps	48	384	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	r5.12xlarge
		64	256	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	m5.16xlarge
	8 Gbps	64	512	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	r5.16xlarge
		96	384	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	m5.24xlarge
			96	768	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)

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Table 12. Trellix Network Security models in Azure

Model	Throughput	vCPU	Memory	Network interfaces	AWS instance type
Trellix NX	250 Mbps	4	14	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	Standard_D3_v2
	500 Mbps	8	28	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D4_v2
		8	32	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	Standard_D8_v3
	1 Gbps	8	32	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	Standard_D8s_v3
		16	56	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D5_v2
		16	64	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D16_v3
	2 Gbps	16	64	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D16s_v3
		32	128	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D32_v3
	3 Gbps	32	128	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D32s_v3
		48	192	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D48_v3
	5 Gbps	48	192	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D48s_v3
		64	256	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D64_v3
	64	256	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D64s_v3	

Table 13. Trellix Virtual Execution models on AWS

Model	Throughput	vCPU	Memory	Network interfaces	AWS instance type
Trellix VX Bare-metal	14 Gbps (similar to VX 12550)	96	192 GB	One management port, 4 cluster ports	C5.metal

Table 14. Trellix Virtual Execution smart grid specifications

	VX 5500	VX 12550	12600 VX (6th generation)
OS support	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 2 Gbps	Up to 14 Gbps	Up to 14 Gbps
High availability	N+1	N+1	N+1
Management ports (rear panel)	1x 10/100/1000 Mbps BASE-T	1x 10/100/1000 Mbps BASE-T	1x 1G/10G Base-T
Cluster Ports (rear panel)	3x 10/100/1000 Mbps BASE-T	1x 10/100/1000 Mbps BASE-T, 2x 10 Gbps BASE-T, 4x 10 GigE SFP+ ports	1x 1G/10G Base-T 4x 1G/10G SFP+
IPMI Port (rear panel)	Included	Included	Included
Front LCD & keypad	Not available	No LCD	No LCD
VGA ports	Included	Included	Included
USB ports (rear panel)	4x Type A USB ports	2x Type A USB ports	2x USB 3.1 ports
Serial port (rear panel)	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit	115,200 bps, no parity, 8 bits, 1 stop bit

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Table 14. Trellix Virtual Execution smart grid specifications (continued)

	VX 5500	VX 12550	12600 VX (6th generation)
Drive capacity	2x 2TB 3.5" SAS3 HDD, RAID 1, hot-swappable, FRU	2x 4TB 3.5" SAS3 HDD, RAID 1, hot-swappable, FRU	4x 4TB 3.5" SAS3 HDD, RAID10, hot swappable, FRU
Enclosure	1RU, fits 19 inch rack	2RU, fits 19 inch rack	2RU, fits 19 inch rack
Chassis dimension WxDxH	17.2 x 25.6 x 1.7 In (437 x 650 x 43.2 mm)	17.2 x 31 x 3.5 in (437 x 787 x 89 mm)	19in x 26 x 3.5 in (482.6 x 660.4 x 89 mm)
DC power supply	Not available	Not available	Not available
AC power supply	Redundant (1+1) 750 watt, 100-240 VAC, 8 - 3.8 A, 50-60 Hz, IEC60320-C14, inlet, hot-swappable, FRU	Redundant (1+1) 1000 watt, 100-240 VAC 10.5-4.0A, 50-60 Hz IEC60320-C14 inlet, FRU	Redundant (1+1),FRU,1000W/1200W with Input 100-127/200 - 240Vac, 15-12A/8.5-7A, 50-60 Hz IEC60320-C14 inlet
Power consumption maximum (watts)	285 watts	660 watts	948 watts
Thermal dissipation maximum (BTU/h)	972 BTU/h	2594 BTU/h	3232 BTU/h
MTBF (h)	54,200 h	54,041 h	Coming soon
Appliance alone / as shipped weight lb. (kg)	27.0 lbs (12.2 kg) / 38.0 lbs (17.2 kg)	44 lbs (20 kg) / 71 lbs (32.2 kg)	44 lbs (20 kg) / 70 lbs (31.8 kg)
Security certification	FIPS 140-2 Level 1, CC NDcPP v2.2e	FIPS 140-2 Level 1, CC NDcPP v2.2e	FIPS 140-2 Level 1, CC NDcPP v2.2e (pending)
Regulatory compliance safety	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368, EN 62368 BS EN 62368
Regulatory compliance EMC	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015	FCC Part 15 Class-A, CE (Class-A) CNS 13438 CISPR 32 VCCI-CISPR32 EN 55035 EN 55032 EN 61000 ICES-003 KN 32, KN 35
Environmental compliance	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS Directive 2011/65/EU REACH WEEE Directive 2012/19/EU	RoHS REACH
Operating temperature	0-40°C (32-104°F)	0-40°C (32-104°F)	10-35°C (50-95°F)
Non-operating temperature	-30-70°C (-22-158°F)	-30-70°C (-22-158°F)	-40-70°C (-40-158°F)
Operating relative humidity	10%-95% at 40°C non-condensing	10%-90% at 40°C non-condensing	8%-90% non-condensing
Non-operating relative humidity	10%-95% at 60°C non-condensing	10%-95% at 55°C non-condensing	5%-95% non-condensing
Operating altitude	3,000 m (9,842 ft)	3,000 m (9,842 ft)	1,524 m (5,000 ft)

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About Trellix

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