Trellix

DATA SHEET

Trellix® Network Security

Technical Specifications

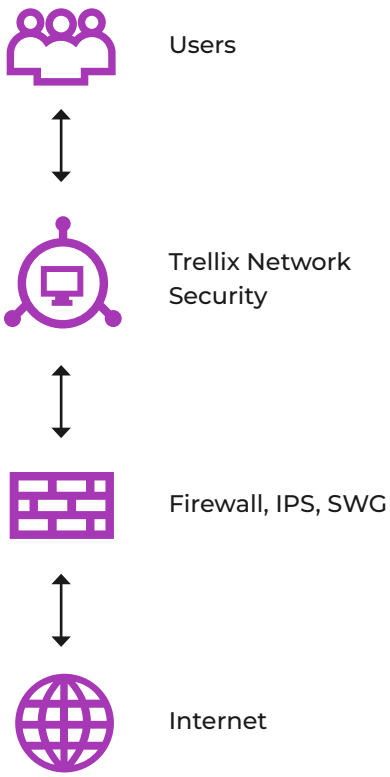


Figure 1. Typical configuration of Trellix Network Security solutions

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 (SWGs).

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.

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

	NX 2600	NX 3600	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	Linux, macOS X, Microsoft Windows	Linux, macOS X, Microsoft Windows
Performance	Up to 250 Mbps	Up to 500 Mbps	Up to 1 Gbps	Up to 2.5 Gbps	Up to 5 Gbps	Up to 10 Gbps
SmartVision mode performance	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps	Up to 20 Gbps
Network monitoring ports	(4) X 1G RJ45 ports (4) 1G/10G SFP+ Ports	(4) X 1G RJ45 ports (4) 1G/10G SFP+ 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	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)	Available	Available	Available	Available	Available	Available
Management ports (rear panel)	2X 1G RJ45 ports	2X 1G RJ45 ports	2 X 1G	2 X 1G/10G	2 X 1G/10G	2 X 1G/10G
IPMI port (rear panel)	10/100/1000GBASE-T(Rear panel)	10/100/1000GBASE-T(Rear panel)	10/100/1000GBASE-T(Rear panel)	10/100/1000GBASE-T(Rear panel)	10/100/1000GBASE-T(Rear panel)	10/100/1000GBASE-T(Rear panel)
VGA port	Yes	Yes	Yes	Yes	Yes	Yes
USB ports	2 X USB 2.0 , 2 X USB 3.2	2 X USB 2.0 , 2 X USB 3.2	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	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) 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	1 RU, fits 19-inch Rack	1 RU, 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 (437 mm) X 19.98in (507 mm) X1.7in (43 mm)	17.2in (437 mm) X 19.98in (507 mm) X1.7in (43 mm)	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, 400W with Input 100-240VAC / 6.0 – 3.0A |200-240VDC / 3.4- 3.2A, 50-60 Hz IEC60320- C14 inlet	Redundant (1+1), FRU, 400W with Input 100-240VAC / 6.0 – 3.0A |200-240VDC / 3.4- 3.2A, 50-60 Hz IEC60320- C14 inlet	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)	300 watts	300 watts	552 watts	852 watts	928 watts	1100 watts

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

	NX 2600	NX 3600	4600 NX	5600 NX	6600 NX	8600 NX
Thermal dissipation maximum (BTU/h)	1024 BTU/hr	1024 BTU/hr	1883 BTU/h	2905 BTU/h	3164 BTU/h	3751 BTU/h
MTBF (h)	30,376 h	30,376 h	22,984 h	28,458 h	30,416 h	29,911 h
Appliance alone / as shipped weight lbs (kg)	24 lbs (10.9 kg) / 37 lbs (16.8 kg)	24 lbs (10.9 kg) / 37 lbs (16.8 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	EN IEC 62368-1:2018+A11:2020	EN IEC 62368-1:2018+A11:2020	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)	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	EN 55032:2015/A11:2020, EN 55035:2017/A11:2020, EN 61000-3-2:2014, EN 61000-3-3:2013	EN 55032:2015/A11:2020, EN 55035:2017/A11:2020, EN 61000-3-2:2014, EN 61000-3-3:2013	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: Directive 2011/65/EU	RoHS: Directive 2011/65/EU	RoHS REACH	RoHS REACH	RoHS REACH	RoHS REACH
Operating temperature	5°C - 35°C (41°F - 95°F)	5°C - 35°C (41°F - 95°F)	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°C - 70°C (-40°F - 158°F)	-40°C - 70°C (-40°F - 158°F)	-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	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	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	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

	NX 2600	NX 3600	4600 NX	5600 NX	6600 NX	8600 NX
Max IPS performance	Up to 250 Mbps	Up to 500 Mbps	1 Gbps	Up to 2.5 Gbps	Up to 5 Gbps	Up to 10 Gbps
Max concurrent connections	80K	160K	500 K	1 M	2 M	4 M
New connections per second	4K/Sec	8K/Sec	10K / Sec	20K / Sec	40K / Sec	80K / Sec

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

	2600 NX	3600 NX	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	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 500 Mbps	Up to 1 Gbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps	Up to 20 Gbps
SmartVision mode performance	Up to 1 Gbps	Up to 2 Gbps	Up to 4 Gbps	Up to 10 Gbps	Up to 20 Gbps	Up to 40 Gbps
Network monitoring ports	(4) X 1G RJ45 ports	(4) X 1G RJ45 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	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)	Available	Available	Available	Available	Available	Available
Management ports (rear panel)	2X 1G RJ45 ports	2X 1G RJ45 ports	2 X 1G	2 X 1G/10G	2 X 1G/10G	2 X 1G/10G
IPMI port	10/100/1000G BASE-T(Rear panel)	10/100/1000G BASE-T(Rear panel)	10/100/1000G BASE-T(Rear panel)	10/100/1000G BASE-T(Rear panel)	10/100/1000G BASE-T(Rear panel)	10/100/1000G BASE-T(Rear panel)
Front LCD & keypad	Not available	Not available	Not available	Not available	Not available	Not available
VGA port	Yes	Yes	Yes	Yes	Yes	Yes
USB ports	2 X USB 2.0 , 2 X USB 3.2	2 X USB 2.0 , 2 X USB 3.2	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	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) 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	1 RU, fits 19-inch Rack	1 RU, 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 (437 mm) X 19.98in (507 mm) X1.7in (43 mm)	17.2in (437 mm) X 19.98in (507 mm) X1.7in (43 mm)	19in (482.6mm) x 26in (660.4mm) x 3.5in (88.9 mm)	19in (482.6mm) x 26in (660.4mm) x 3.5in (88.9 mm)	19in (482.6mm) x 26in (660.4mm) x 3.5in (88.9 mm)	19in (482.6mm) x 26in (660.4mm) x 3.5in (88.9 mm)
AC power supply	Redundant (1+1), FRU, 400W with Input 100-240VAC / 6.0 – 3.0A |200-240VDC / 3.4- 3.2A, 50-60 Hz IEC60320- C14 inlet	Redundant (1+1), FRU, 400W with Input 100-240VAC / 6.0 – 3.0A |200-240VDC / 3.4- 3.2A, 50-60 Hz IEC60320- C14 inlet	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)	300 watts	300 watts	552 watts	852 watts	928 watts	1100 watts

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

	2600 NX	3600 NX	4600 NX	5600 NX	6600 NX	8600 NX
Thermal dissipation maximum (BTU/h)	1024 BTU/h	1024 BTU/h	1883 BTU/h	2905 BTU/h	3164 BTU/h	3751 BTU/h
MTBF (h)	30,376 h	30,376 h	22,984 h	28,458 h	30,416 h	29,911 h
Appliance alone / as shipped weight in lb. (kg)	24 lbs (10.8 kg)/ 37lbs (16.7kg)	24 lbs (10.8 kg)/ 37lbs (16.7kg)	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	EN IEC 62368-1:2018+A11:2020	EN IEC 62368-1:2018+A11:2020	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
Regulatory compliance EMC	EN 55032:2015/ A11:2020, EN 55035:2017/A11:2020, EN 61000-3-2:2014, EN 61000-3-3:2013	EN 55032:2015/ A11:2020, EN 55035:2017/A11:2020, EN 61000-3-2:2014, EN 61000-3-3:2013	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: Directive 2011/65/EU	RoHS: Directive 2011/65/EU	RoHS REACH	RoHS REACH	RoHS REACH	RoHS REACH
Operating temperature	5°C - 35°C (41°F - 95°F)	5°C - 35°C (41°F - 95°F)	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°C - 70°C (-40°F - 158°F)	-40°C - 70°C (-40°F - 158°F)	-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)	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	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	0-1,524 m 0-5,000 ft	0-1,524 m 0-5,000 ft

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

	2600 NX	3600 NX	4600 NX	5600 NX	6600 NX	8600 NX
Max IPS performance	Up to 500 Mbps	Up to 1 Gbps	2 Gbps	Up to 5 Gbps	Up to 10 Gbps	Up to 20 Gbps
Max concurrent connections	160K	500K	1 M	2 M	4 M	8 M
New connections per second	8K/Sec	10K/Sec	20K / Sec	40K / Sec	80K / Sec	160K / Sec

Table 5. 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	VA-NXS 10500
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	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	Up to 8.5 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	Up to 15 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	Up to 15 Gbps
Network monitoring ports	1–8	1–8	1–8	1–8	1–8	1–8	1–8	1–4
Network management ports	1 or 2	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	Inline, SPAN
CPU cores	3	6	8	8	16	24	48	96
Memory	10 GB	16 GB	16 GB	32 GB	64 GB	128 GB	256 GB	384 GB
Drive capacity	384 GB	384 GB	384 GB	512 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	i40e based nics, SRIOV enabled
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	VMware ESXi 6.7 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	FIPS 140-2 Level 1 CC NDPP v2.2e

Table 6. 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	VA-NXS 10500
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 5 Gbps	Up to 8.5 Gbps
Max concurrent connections	15K	80K	80K	160K	500K	2M	2M
New connections per second	750/Sec	4K/Sec	4K/Sec	8K/Sec	10K/Sec	40K/Sec	80K/Sec

Table 7. 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)	C5.2.xlarge
		4	32	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	R5.xlarge
	500 Mbps	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
		32	256	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	R5.8xlarge
	3 Gbps	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
		48	384	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	R5.12xlarge
	5 Gbps	64	256	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	M5.16xlarge
		64	512	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8, pether9, pether10 (monitoring)	R5.16xlarge
	8 Gbps	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)	M5.24xlarge

Table 8. Trellix Network Security models in Azure

Model	Throughput	vCPU	Memory	Network interfaces	Azure instance type
Trellix NX	250 Mbps	4	14	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	Standard_D3_v2
		8	28	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D4_v2
	500 Mbps	8	32	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	Standard_D8_v3
		8	32	ether1 (mgmt), pether2 (submission), pether3, pether4 (monitoring)	Standard_D8s_v3
	1 Gbps	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
		16	64	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D16s_v3
	2 Gbps	32	128	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D32_v3
		32	128	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D32s_v3
	3 Gbps	48	192	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D48_v3
		48	192	ether1 (mgmt), pether2 (submission), pether3, pether4, pether5, pether6, pether7, pether8 (monitoring)	Standard_D48s_v3
	5 Gbps	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 9. 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 10. Trellix Virtual Execution smart grid specifications

	VX 5600	VX 12600
OS support	Linux macOS X Microsoft Windows	Linux macOS X Microsoft Windows
Performance	Up to 2 Gbps	Up to 14 Gbps
High availability	N+1	N+1
Management ports (rear panel)	(1) 10/100/1000BASE-T Port	1x 1G/10G Base-T
Cluster Ports (rear panel)	(3) 10/100/1000BASE-T Ports	1x 1G/10G Base-T 4x 1G/10G SFP+
IPMI Port (rear panel)	Included	Included

Table 10. Trellix Virtual Execution smart grid specifications (continued)

	VX 5600	VX 12600
Front LCD & keypad	Not available	Not available
VGA ports	Included	Included
USB ports (rear panel)	2 X USB 2.0 , 2 X USB 3.2	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
Drive capacity	(2) 4TB SAS SED, RAID 1	4x 4TB 3.5 SAS3 HDD, RAID10, hot swappable, FRU
Enclosure	1 RU, fits 19-inch Rack	2RU, fits 19 inch rack
Chassis dimension WxDxH	17.2 (437 mm) X 19.98 (507 mm) X 1.7 (43 mm)	19in x 26 x 3.5 in (482.6 x 660.4 x 89 mm)
DC power supply	Not available	Not available
AC power supply	Redundant (1+1), FRU, 400W with Input 100-240VAC / 6.0 – 3.0A |200-240VDC / 3.4- 3.2A, 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)	300 watts	948 watts
Thermal dissipation maximum (BTU/h)	1024 BTU/h	3232 BTU/h
MTBF (h)	33,982 h	30,863 h
Appliance alone / as shipped weight lb. (kg)	24 lbs (10.9 kg) / 37 lbs (16.8 kg)	44 lbs (20 kg) / 70 lbs (31.8 kg)
Security certification	FIPS 140-2 Level 1 (pending) CC NDcPP v2.2e (pending)	FIPS 140-2 Level 1, CC NDcPP v2.2e (pending)
Regulatory compliance safety	EN IEC 62368-1:2018+A11:2020	CAN/CSA 22.2 No. 62368 UL 62368 IEC 62368, EN 62368 BS EN 62368
Regulatory compliance EMC	EN 55032:2015/A11:2020, EN 55035:2017/A11:2020, EN 61000-3-2:2014, EN 61000-3-3:2013	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	RoHS REACH
Operating temperature	5°C - 35°C (41°F - 95°F)	10–35°C (50–95°F)
Non-operating temperature	-40°C - 70°C (-40°F - 158°F)	-40–70°C (-40–158°F)
Operating relative humidity	8% - 90% (non-condensing)	8%–90% non-condensing
Non-operating relative humidity	5% - 95% (non-condensing)	5%–95% non-condensing
Operating altitude	1,524 m (5,000 ft)	1,524 m (5,000 ft)

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