

InfiniStreamNG Hardware Appliance

Smart Visibility for Network and Application Performance Management and Cybersecurity

HIGHLIGHTS

- Optimized ISNG hardware appliances, offering best-in-class performance, compatibility with ISNG software
 - Turnkey system includes ASI software and NETSCOUT-certified hardware
 - Available with 1G, 10G, 40G, and 100G interface options for network flexibility
 - Supports deployment in NETSCOUT's nGenius® Enterprise Performance Management and Omnis® Cyber Intelligence Threat Detection and Investigation solutions
 - Award-winning NETSCOUT® MasterCare Support coverage for software and hardware
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The InfiniStreamNG® (ISNG) appliance uses patented Adaptive Service Intelligence® (ASI) technology to generate the NETSCOUT® “Smart Data” required for continuous and uniform visibility across today's large-scale network environments. By combining this real-time packet-based smart data with synthetic testing for user experience assurance, enterprises also gain comprehensive observability that scales to any business edge—from the client to the cloud, from data centers to remote offices, and beyond. The NETSCOUT nGeniusONE® solution's smart analytics consume this smart data to supply views, alerts, and reports on key performance indicators, network and application error details, specialized service monitors, session records, and packet decodes.

With the NETSCOUT solution, enterprise, cybersecurity, and service provider information technology (IT) teams have the technology required to deliver superior user experience, while also ensuring successful digital transformation business objectives, including data center and cloud migrations, Unified Communications (UC) rollouts, and Security Analytics initiatives, amongst others. With ASI-generated smart data also serving as a common data source for NETSCOUT's vSTREAM® virtual appliances for multicloud (e.g., Amazon Web Services, Google Cloud, Microsoft Azure, Oracle Cloud Infrastructure) and virtual (e.g., VMware and NSX-T) environments, ISNG software and hardware appliances can be deployed in tandem with vSTREAM.

InfiniStreamNG Hardware Appliance Overview

NETSCOUT provides organizations with the flexibility to deploy ISNG hardware appliances in the manner best-suited to their infrastructure and visibility requirements. Manufactured by NETSCOUT, our factory-integrated ISNG hardware appliances offer tuned configurations that bring deployment, administration, and maintenance efficiencies to IT teams. Since network speeds, processing, and capacity needs vary, NETSCOUT offers several ISNG appliance models with different interface and storage capacities. Various ISNG models can be deployed in tandem for seamless analysis across the entire network, making it easier and more cost-effective to monitor and gather intelligence from multiple sources, with no disruption to business processes. Equally significant, NETSCOUT offers ISNG hardware appliance models designed for deployment in any environment, ranging from the network edge, co-location data centers, small remote facilities, satellite offices, and disaster recovery locations, onto the data center core.

In addressing scalability and monitoring needs in very large environments, multiple ISNG hardware and software appliances can be deployed to provide virtually unlimited scalability. IT teams reduce management complexity in large networks with all ISNG appliances centrally managed through the nGeniusONE solution. Additionally, as part of our nGenius Enterprise Performance Management solution, the ISNG appliances support synthetic testing for user experience assurance.

For existing customers, our Omnis Cyber Intelligence Threat Detection and Investigation platform can also leverage ISNG as a cyberanalytics data source by enabling a NETSCOUT Omnis® CyberStream Adaptor software license.



ISNG Hardware Appliance Specifications

Organizations embracing digital transformation face network and application visibility challenges, regardless of the next-generation platforms involved in such transitions. As evidenced in Table 1, NETSCOUT provides organizations with the flexibility to deploy ISNG hardware appliances in the manner best-suited to specific infrastructure and visibility requirements.

	1400 Series	2400 Series	2600 Series	4700 Series	4800 Series	9800 Series
Packet Capture Ports / Interfaces	4-Port 1 GbE SFP		4x 1 GbE SFP or 10 GbE SFP+			4-port 10 GbE SFP+ 2-port 40 GbE QSFP+ 2-port 100 GbE QSFP28
Transceivers (Incomplete List, Ordered Separately from NETSCOUT)	SFP: Multi-mode SX, single-mode LX, 1000BASE-T		SFP: Multi-mode SX, single-mode LX, 1000BASE-T SFP+: Multi-mode SR, single-mode LR			SFP: Multi-mode SX, single-mode LX, 1000BASE-T SFP+: Multi-mode SR, single-mode LR QSFP+: Multi-mode SR4, Single-mode LR4 QSFP28: Multi-mode SR4, Single-mode LR4
Management Ports	Two onboard Gigabit/10 Gigabit Ethernet LAN RJ45 ports (eth0 used for management) One dedicated 1-Gigabit IPMI port for remote management					
Storage	8TB 1x 8TB, 3.5” NL-SAS HDD, 512e sector size, 12Gb/s	16TB (RAID 5) 4x 4TB, 3.5” NL-SAS HDD, 512e sector size, 12Gb/s		32 TB (RAID 5), up to 96 TB with extended storage unit (ESU) (RAID 6)	32 TB (RAID 5), up to 160 TB with ESU (RAID 6)	256 TB up to 768 TB with up to 2 ESUs (RAID 6) 16x 16 TB, 3.5” NL-SAS HDD, 512e sector size, 12Gb/s
Embedded OS	Solid-state Drive (SSD) dedicated to Linux® OS					
Rack Unit (RU)	1 RU					3RU
Dimensions	Height: 1.7 in (43 mm); Width: 17.2 in (437 mm); Depth: 25.6 in (650 mm)					Height: 5.2 in (132 mm); Width: 17.2 in (437 mm); Depth: 25.5 in (648 mm)
Weight	38 lbs. (17.24 kg)					82 lbs. (37.19 kg)
Mounts	Rack mount side rails included					
Power Rating (AC)	700W/750W hot swappable, redundant, auto-ranging: 700W: 100-140 VAC, 50-60 Hz, 8.0-6.0 Amp 750W: 200-240 VAC, 50-60 Hz, 4.5-3.8 Amp					Hot swappable, redundant: 1000W: 100-127V, 15-12A, 50-60Hz 1200W: 200-240V, 8.5A-7A, 50-60Hz
Maximum Consumption (AC)	6.5A, 655W @ 100V					100V, 9A, 900W, 3071 BTU/Hr
Power Rating (DC)	-48VDC, 650W, 20A (x2), hot-swappable, redundant					Hot swappable, redundant 1010W: -48VDC, 24A
Maximum Consumption (DC)	13.7A, 658W @ -48VDC					-48VDC, 18A, 864W, 2948 BTU/Hr

	1400 Series	2400 Series	2600 Series	4700 Series	4800 Series	9800 Series
Vibration	0.25G from 5-200Hz for 15 minutes					0.26G from 5-350 Hz
Altitude	-50 ft to 10,000 ft (-16m to 3,048 m)					-45 to 9,500 ft (-13.7m to 2,896 m)
Mechanical Shock	1 shock pulse up to 20G for up to 2.5ms					1 shock pulse up to 40G for up to 2ms
Regulatory Approvals	Regulatory Model Number: NV51U, FCC Part 15 Class A, CE Mark (EN55032 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3), VCCI (Japan) Class A, RRA (Korea) KC Cert #: R-R-NSZ-NV51U, CCC Class A (China), EAC (Russia), BIS (India), CM (Morocco), UL-C of C (Mexico), BSMI (Taiwan), LoA (South Africa), UL 60950-1/62368-1, CAN/CSA C22.2 No. 60950/62368-1, IEC 60950-1/62368-1, EN 60950-1/62368-1, CB Report					Regulatory Model Number: NV63U FCC Part 15 Class A, CE Mark (EN55032 Class A, EN55035, EN 61000-3-2, EN 61000-3-3), VCCI (Japan) Class A, Korea KC Cert #: R-R-NSZ-NV63U, CCC Class A (China), BIS (India), CM (Morocco), NOM (Mexico), LoA (South Africa), UL 60950-1/62368-1, CAN/CSA C22.2 No. 60950/62368-1, IEC 60950-1/62368-1, EN 60950-1/62368-1, CB Report

Note: For all ISNG hardware appliance models, transceivers must be ordered separately from NETSCOUT.

Table 1: ISNG Hardware Appliance Specifications.

Temperature	Specifications
Storage	-40°C to 65°C (-40°F to 149°F)
Continuous operation (for altitude less than 950 m or 2953 ft)	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Maximum temperature gradient (operating and storage)	20°C in an hour (36°F/h) and 5°C in 15 minutes (9°F/15 min)
Operational altitude de-rating	Maximum temperature is reduced by 1°C/300 m (1.8°F/984 Ft) above 900 m (2953 Ft)

Table 2: Temperature Specifications.

Relative Humidity	Specifications
Storage	5% to 95% RH with 33°C (91°F) maximum dew point. Atmosphere must be non-condensing at all times.
Operating	10% to 80% relative humidity with 29°C (84.2°F) maximum dew point, non-condensing

Table 3: Relative Humidity Specifications.

Extended Storage Unit Specifications

Since processing and capacity needs differ, several ISNG hardware appliance models can be expanded with Extended Storage Units (ESUs). ESU hardware specifications for these ISNG appliances are provided in Table 4.

	4700 Series	4800 Series	9800 Series
Storage	64 TB (RAID 6)	128 TB (RAID 6)	256 (RAID 6)
Rack Unit	3 Rack Unit (3 RU)		
Dimensions	Height: 5.2 in (132 mm) Width: 17.2 in (437 mm) Depth: 25.5 in (648 mm)		
Weight	70.35 lbs. (31.91 kg)		
Mounts	Rack mount side rails included		
Power Rating (AC)	1000W: 100-127V, 15-12A, 50-60Hz, 1200W: 200-240V, 8.5A-7A, 50-60Hz, Hot swappable, redundant		
Maximum Consumption (AC)	2.8A, 280W		
Heat Dissipation (AC)	955 BTU/Hr		
Power Rating (DC)	Hot swappable, redundant, 1010W: -48VDC, 24A		
Maximum Consumption (DC)	6A, 285W		
Heat Dissipation (DC)	972 BTU/Hr		
Vibration	0.26G from 5-350 Hz		
Operating Temperature	50° to 95°F (10° to 35°C)		
Operating Humidity	8% - 90% (non-condensing)		
Altitude	-45 to 9,500 ft (-13.7m to 2,896 m)		
Mechanical Shock	1 shock pulse up to 40G for up to 2ms		
Regulatory Approvals	Regulatory Model Number: NE123U, FCC Part 15 Class A, CE Mark (EN 55032 Class A, Class A, EN55035, EN 61000-3-2, EN 61000-3-3), VCCI (Japan) Class A, Korea KC Cert #: KCC- REM-NSZ-NE123U, BIS (India), CM (Morocco), UL- C of C (Mexico), UL 60950-1/62368-1, CAN/CSA C22.2 No. 60950/62368-1, IEC 60950-1/62368-1, EN 60950-1/62368-1, CB Report		

Table 4: ESU Specifications.



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NETSCOUT offers sales, support, and services in over 32 countries. Global addresses, and international numbers are listed on the NETSCOUT website at: www.netscout.com/company/contact-us