NETSCOUT

InfiniStreamNG Hardware Appliance

Smart Visibility for Service Assurance, Cybersecurity, and NETSCOUT Smart Edge Monitoring

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 the NETSCOUT Smart Edge Monitoring solution

- Award-winning NETSCOUT® MasterCare Support coverage for software and hardware

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. The NETSCOUT nGeniusONE® Service Assurance platform'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, information technology (IT) teams and service providers today 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 multi-cloud (e.g., Amazon Web Services, Google Cloud, Microsoft Azure, Oracle Cloud Infrastructure) and virtual (e.g., VMware NSX-V 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 purpose-built 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, 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 platform. Additionally, ISNG hardware appliances supporting the NETSCOUT Edge Adaptor module provide service edge visibility in our Smart Edge Monitoring solution.

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	6600 Series	9700 Series	9800 Series
Packet Capture Ports / Interfaces	4-Port 1 GbE SFP		4-Port 1/10 GbE SFP/SFP+					4-port 10 GbE SFP+ 2 port 40 GbE QSFP+ 2 port 100 GbE QSFP28
Transceivers (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	8 TB	16 TB (RAID 5)	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)	48 TB (RAID 6)		64 TB, up to 192 TB with up to two 64 TB ESUs (RAID 6)	128 TB, up to 384 TB with up to two 128 TB ESUs (RAID 6)
Embedded OS	Solid-state Drive (SSD) dedicated to Linux® OS							
Rack Unit (RU)	1 RU						3 RU	
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, 9.8A, 1000W	

	1400 Series	2400 Series	2600 Series	4700 Series	4800 Series	6600 Series	9700 Series	9800 Series
Heat Dissipation (AC)	2235 BTU/Hr					3412 BTU/Hr		
Power Rating (DC)	-48VDC, 650W, 20A (x2), hot-swappable, redundant					-48VDC, 1010W, 25A (x2), hot-swappable, redundant		
Maximum Consumption (DC)	13.7A, 658W @ -48VDC					21.7A, 1042W		
Heat Dissipation (DC)	2245 BTU/Hr					3554 BTU/Hr		
Vibration	0.25G from 5-200Hz for 15 minutes					0.75G at 5-200 Hz		
Operating Temperature	41° to 95°F (5° to 35°C)					50° to 95°F (10° to 35°C)		
Operating Humidity	8% - 90% (non-condensing)							
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: NV53U, 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-NV53U, 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		

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

Table 1. ISNG Hardware Appliance 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 2.

	4700 Series	4800 Series	9700 Series	9800 Series
Storage	64 TB (RAID 6)	128 TB (RAID 6)	64 TB (RAID 6)	128 TB (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)	100-240VAC, 50 -60 Hz auto-ranging, 1000W (12A at 100VAC, 4A at 240VAC (x2), hot-swappable, redundant			
Maximum Consumption (AC)	2.8A, 280W			
Heat Dissipation (AC)	955 BTU/Hr			
Power Rating (DC)	-48VDC/1010W, 24A (x2) hot-swappable, redundant			
Maximum Consumption (DC)	6A, 285W			
Heat Dissipation (DC)	972 BTU/Hr			
Vibration	0.75G at 5-200Hz			
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, EN 55024, EN 61000-3-2, EN 61000-3-3), VCCI (Japan) Class A, RRA (Korea) KC Cert #: KCC- REM-NSZ-NE123U UL 60950-1, CQC Class A (China), EAC (Russia), BIS (India), CM (Morocco), UL- C of C (Mexico) CAN/CSA C22.2 No. 60950, IEC 60950-1, EN 60950-1, CB Report, UL-GS (DEMKO) 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 2: 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