

# NETSCOUT Certified InfiniStreamNG Software Appliance

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

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### HIGHLIGHTS

- Components selected and matched to NETSCOUT® use case
- Performance and availability optimized configuration
- Available with 1G, 10G, 40G, and 100G interface options for network flexibility
- Supports deployment in the NETSCOUT Smart Edge Monitoring and Omnis® Cyber Intelligence Threat Detection and Investigation solutions
- Award-winning NETSCOUT MasterCare Support coverage for software and hardware

NETSCOUT InfiniStreamNG® (ISNG) software and hardware appliances use our 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. Our nGeniusONE® Service Assurance platform’s smart analytics consume this smart data to supply information technology (IT) teams and service providers with views, alerts, and reports on key performance indicators, network and application error details, specialized service monitors, session records, and packet decodes.

In addressing monitoring needs in very large environments, multiple ISNG software and hardware appliances can be installed to provide virtually unlimited scalability. ISNG appliances can be deployed alongside our vSTREAM® virtual appliances to expand visibility into both 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.

### NETSCOUT Certified InfiniStreamNG Software Appliance Overview

The NETSCOUT Certified Software Appliance solution factors deployment of a customer-provided hardware platform certified to support ISNG software.

Since network speeds, processing, and capacity needs vary, NETSCOUT offers several ISNG Certified Software 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 Certified ISNG Software 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.

NETSCOUT Certified Software Appliances offer 100% performance parity with NETSCOUT’s factory-integrated ISNG hardware appliances. Additionally, NETSCOUT provides our award-winning MasterCare annual support coverage for the Certified ISNG software and Network Interface Card (NIC) kit, as well as the Certified InfiniStreamNG Server, resulting in single-source system support for enterprise, cybersecurity, and service provider IT teams. Additionally, ISNG Certified Software Appliances configured with the NETSCOUT Edge Adaptor module provide service visibility in our Smart Edge Monitoring solution. 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 Cyber Adaptor software license.



### Certified InfiniStreamNG Software

The Certified InfiniStreamNG Software component of Certified ISNG Software Appliances is unbundled from the underlying Certified ISNG Server. This configuration provides customers the flexibility of a software-based approach with the performance and reliability of traditional ISNG hardware appliances. The Certified ISNG Software component, which includes the ASI NIC, is ordered directly from NETSCOUT.

### Certified InfiniStreamNG Server

The Certified ISNG Software Appliances differ from the traditional InfiniStreamNG hardware appliances, in that the server hardware is unbundled from the Software and ASI NIC. The Certified ISNG Servers are offered in a variety of hardware configurations to meet a broad range of performance and storage requirements. With guidance from NETSCOUT, customers independently order these servers from a NETSCOUT Certified Supplier.

## NETSCOUT Certified InfiniStreamNG Software Appliance Specifications

### Acquired from NETSCOUT

	C-01400 Series	C-02600 Series	C-02700 Series	C-04800 Series	C-06600 Series	C-09800 Series
<b>Software</b>	NETSCOUT Certified InfiniStreamNG Software					
<b>NETSCOUT ASI Accelerator NIC Power Consumption</b>	30 Watts including SFP+ SR modules Operating Temperature: 0°C to 45°C (32°F to 113°F) Operating Humidity: 20% to 80%			10 GbE: 30 Watts, including SFP+ SR modules 40 GbE: 75 Watts, including QSFP+ modules 100 GbE: 75 Watts, including QSFP28 modules Operating Temperature: 0 °C to 45 °C (32 °F to 113 °F) Operating Humidity: 20% to 80% Dimensions: 1/2 length, full height		
<b>NETSCOUT ASI Accelerator Monitoring Ports</b>	4 x 1 GbE SFP	4x 1 GbE SFP or 1/10 GbE SFP+			10/1 GbE: 4x 1 GbE SFP or 10 GbE SFP+ 40 GbE: 2x 40 GbE QSFP+ 100 GbE: 2x 100 GbE QSFP28	
<b>Transceivers (Ordered separately from NETSCOUT)</b>	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	

Table 1: NETSCOUT Certified ISNG Software Appliance Specifications.

Acquired from a NETSCOUT Certified Supplier

	C-01400 Series	C-02600 Series	C-02700 Series	C-04800 Series	C-06600 Series	C-09800 Series
<b>Server</b>	C-01400 Certified InfiniStreamNG Server	C-02600 Certified InfiniStreamNG Server	C-02700 Certified InfiniStreamNG Server	C-04800 NETSCOUT Certified InfiniStreamNG Server	C-06600 NETSCOUT Certified InfiniStreamNG Server	C-09800 NETSCOUT Certified InfiniStreamNG Server
<b>Processor</b>	Single 8-core processor	Single 12-core processor	Single 22-Core processor	Dual 22-core processors	Single 12-core processor	Dual 22-Core processors
<b>Memory</b>	6x 16GB DDR4 (96GB Total)	6x 32GB DDR4 (192GB Total)		12x 32GB DDR4 (384GB Total)	6x 32GB DDR4 (192GB Total)	12x 32GB DDR4 (384GB Total)
<b>Storage</b>	8TB	16TB (RAID 5) 4x 4TB, 3.5" NL-SAS HDD, 512e sector size, 12Gb/s	32TB (RAID 5) 4x 8TB, 3.5" NL-SAS HDD, 512e sector size, 12Gb/s	32TB (RAID 5) up to 160TB with ESU (RAID 6) 4x 8TB, 3.5" NL-SAS HDD, 512e sector size, 12Gb/s	48TB (RAID 6) 12x 4TB, 3.5" NL-SAS HDD, 512e sector size, 12Gb/s	128TB up to 384TB with up to 2 ESUs (RAID 6), 16x 8TB, 3.5" NL-SAS/SAS HDD, 512e sector size, 12Gb/s
<b>Management Port</b>	Two onboard Gigabit/10 Gigabit Ethernet LAN RJ45 ports (eth0 used for management) One dedicated 1-Gigabit IPMI port for remote management					
<b>Embedded OS</b>	Solid State Drive (SSD) dedicated to Linux® OS					
<b>Rack Unit</b>	1 Rack Unit (1RU)				3 Rack Unit (3RU)	
<b>Dimensions</b>	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)	
<b>Weight</b>	38 lbs. (17.24 kg)				82 lbs. (37.19 kg)	
<b>Mounts</b>	Rack mount side rails included					

**Environmental Specifications (Appliance with NETSCOUT ASI NIC Installed)**

	C-01400 Series	C-02600 Series	C-02700 Series	C-04800 Series	C-06600 Series	C-09800 Series
<b>Power Rating (AC)</b>	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	
<b>Maximum Consumption (AC)</b>	6.5A, 655W				100V, 9.8A, 1000W	
<b>Power Rating (DC)</b>	-48VDC, 650W, 20A (x2), hot-swappable, redundant				48VDC, 1010W, 24A (x2), hot-swappable, redundant	
<b>Maximum Consumption (DC)</b>	13.7A, 658W				21.7A, 1042W	
<b>Vibration</b>	0.25G from 5-200Hz for 15 minutes				0.75G at 5-200 Hz	
<b>Altitude</b>	-50 to 10,000 ft (-16 to 3,048 m)				-45 to 9,500 ft (-13.7m to 2,896 m)	
<b>Mechanical Shock</b>	1 shock pulse up to 20G for up to 2.5ms				1 shock pulse up to 40G for up to 2ms	
<b>Regulatory Approvals</b>	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	

Temperature	Specifications
<b>Storage</b>	-40°C to 65°C (-40°F to 149°F)
<b>Continuous operation (for altitude less than 950 m or 2953 ft)</b>	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
<b>Maximum temperature gradient (operating and storage)</b>	20°C in an hour (36°F/h) and 5°C in 15 minutes (9°F/15 min)
<b>Operational altitude de-rating</b>	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
<b>Storage</b>	5% to 95% RH with 33°C (91°F) maximum dew point. Atmosphere must be non-condensing at all times.
<b>Operating</b>	10% to 80% relative humidity with 29°C (84.2°F) maximum dew point, non-condensing

Table 3: Relative Humidity Specifications.

The C-04800 Series and C-09800 Series Certified ISNG appliances offer additional support for configuration of an optional ESU, as defined in Table 4. The C-04800 supports addition of one ESU, and the C-09800 supports addition of one or two ESUs.

ESU Components	C-04800 Series and C-09800 Series ESU Specifications
Storage	128TB (RAID 6)
Hard Drives	(16) Sixteen 3.5" NLSAS/SAS Disk, 8TB, 512e sector size, 12 Gb/s
Rack Unit	3 Rack Unit (3RU)
Dimensions	5.2 in (132 mm) Height 17.2 in (437 mm) Width 25.5 in (648 mm) Depth
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)	-48VDC, 1010W, 24A (x2) hot-swappable, redundant
Maximum Consumption (DC)	6A, 285W
Heat Dissipation (DC)	972 BTU/Hr
Vibration	0.75G at 5-200 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, 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, 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 UL-GS (DEMKO)

Table 4: C-04800 Series and C-09800 Series Certified ISNG Appliance ESU Specifications.



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