

NETSCOUT Certified InfiniStreamNG Software Appliance

Certified InfiniStreamNG Software Appliance for Service Assurance, Cybersecurity, and Business Intelligence Applications

HIGHLIGHTS

- Components selected and matched to NETSCOUT® use case
- Performance and availability optimized configuration
- 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 enterprise environments. Our nGeniusONE® Service Assurance platform’s smart analytics consume this smart data to supply enterprise information technology (IT) teams 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., AWS, Microsoft Azure) and virtual (e.g., VMware NSX-V and NSX-T) environments.

NETSCOUT Certified InfiniStreamNG Software Appliance Overview

The Certified ISNG software appliance solution factors deployment of a customer-provided hardware platform certified to support ISNG software. Certified ISNG software appliance models include:

- **C-01400 Certified ISNG Appliance:** Equipped with 1 GbE monitoring ports, designed for small-scale environments and remote site instrumentation
- **C-02600 Certified ISNG Appliance:** targeted for smaller-scale environments, addressing enterprise monitoring requirements at the network edge
- **C-02700 Certified ISNG Appliance:** targeted for medium-scale environments with low-storage requirements
- **C-04800 Certified ISNG Appliance:** ideal for high-capacity 1/10 Gigabit monitoring in data centers, high-volume aggregation links, and other environments that require storage for long-term, historical forensic analysis. The C-04800 also supports optional Extended Storage Unit (ESU) capacity.
- **C-06600 Certified ISNG Appliance:** ideal for small-site environments at the network edge
- **C-09800 Certified ISNG Appliance:** Designed for large-scale networks, maximum performance, and storage, with optional ESU capacity

Certified ISNG software appliances offer 100% performance parity with NETSCOUT’s purpose-built 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 customers.

The Certified ISNG software appliance solution is comprised of the models described in the subsections that follow.



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.

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
Software	NETSCOUT Certified InfiniStreamNG Software					
NETSCOUT ASI Accelerator NIC Power Consumption	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: 39 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		
NETSCOUT ASI Accelerator Monitoring Ports	4 x 1 GbE SFP	4x 1GbE SFP or 1/10GbE SFP+			10/1 GbE: 4x 1GbE SFP or 10GbE SFP+ 40 GbE: 2x 40GbE QSFP+ 100GbE: 2x 100GbE QSFP28	
Transceivers (Ordered Separately)	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: 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
Server	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
Processor	Single 8-core processor	Single 12-core processor	Single 22-Core processor	Dual 22-core processors	Single 12-core processor	Dual 22-Core processors
Memory	6x 16GB DDR4 2400MHz (96G Total)	6x 32GB DDR4 2666MHz (192G Total)		12x 32GB DDR4 2666MHz (384GB Total)	6x 32GB DDR4 2666MHz (192GB Total)	12x 32GB DDR4 2666MHz (384G Total)

	C-01400 Series	C-02600 Series	C-02700 Series	C-04800 Series	C-06600 Series	C-09800 Series
Storage	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
Management Port	2 RJ-45 1/10GBASE-T 1 IPMI 1000BASE-T				Four onboard Fast/Gigabit/10GbE LAN ports (eth0 used for mgt) One dedicated 1-Gigabit IPMI port for remote management	
Embedded OS	Solid State Drive (SSD) dedicated to Linux® OS					
Rack Unit	1 Rack Unit (1 RU)				3 Rack Unit (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					

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
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, 9.8A, 1000W	
Heat Dissipation (AC)	2235 BTU/Hr				3412 BTU/Hr	
Power Rating (DC)	-48VDC, 650W, 20A (x2), hot-swappable, redundant				48VDC, 1010W, 24A (x2), hot-swappable, redundant	
Maximum Consumption (DC)	13.7A, 658W				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 to 10,000 ft (-16 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), UL 60950-1, CAN/CSA C22.2 No. 60950, IEC 60950-1, EN 60950-1, 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), UL 60950-1, CAN/CSA C22.2 No. 60950, IEC 60950-1, EN 60950-1, CB Report	

The C-04800 Series and C-09800 Series Certified ISNG appliances offer additional support for configuration of an optional ESU, as defined in Table 2.

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, EN 60950-1, CB Report, UL-GS (DEMKO)

Table 2: C-04800 Series and C-09800 Series Certified ISNG Appliance 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