

Trend Micro

# TIPPINGPOINT NX SERIES NEXT-GENERATION INTRUSION PREVENTION SYSTEM

Delivering network security at up to 100Gbps inspection throughput with industry-leading performance density

The threat landscape continues to evolve both in sophistication and in technology. This means a new security system that is both effective and flexible is needed to adapt to the dynamic nature of the landscape—one that allows you to tailor your security to meet the needs of your network.

Trend Micro™ TippingPoint NX Series Next-Generation Intrusion Prevention System (NGIPS), powered by XGen™ security, achieves a new level of in-line, real-time protection, providing proactive network security that is ideal for data center, core, and perimeter deployments for today's and tomorrow's real-world network traffic and data centers. The next-generation architecture provides modular software design that enables the addition of valuable network protection services as NGIPS continues to evolve from first generation IPS technology. This NGIPS platform redefines the next generation of intrusion prevention as a foundation for comprehensive network security across all critical areas in the enterprise.

The NX Series provides industry-leading coverage across the different threat vectors from advanced threats, from malware to phishing, etc., with extreme flexibility and high performance. It uses a combination of technologies—including and not limited to deep packet inspection, threat reputation, and advanced malware analysis on a flow-by-flow basis—to detect and prevent attacks on the network. The NX Series enables enterprises to take a proactive approach to security to provide comprehensive contextual awareness and deeper analysis of network traffic. This complete contextual awareness, combined with the threat intelligence from Digital Vaccine® Labs (DVLabs) and Zero Day Initiative (ZDI) provides the visibility and agility necessary to keep pace with today's dynamic, evolving enterprise networks.

**Key Features**

**Machine Learning to Stop Exploit Kits in Real-Time**

Statistical models developed with machine learning techniques deliver the ability to detect and mitigate exploit kits in real-time

**Enterprise Vulnerability Remediation (eVR)**

Enables customers to pull in information from various vulnerability management and incidence response vendors, map Common Vulnerabilities and Exposures (CVEs) to TippingPoint Digital Vaccine filters and take action accordingly

**High Availability**

NX Series has multiple fault tolerant features making it ideal for inline deployment including hot swappable power supplies, built-in inspection bypass and zero power high availability (ZPHA)

**Operational Simplicity**

TippingPoint Security Management System provides a single point of management for policy and device management

**Virtual Patching**

A powerful frontline defense mechanism that can be deployed in minutes to protect from known and undisclosed threats, relying on vulnerability-based filters

**Key Benefits**

**Scalable High Inspection Throughput for Data Center Environments:** Delivers up to 100Gb inspection throughput with low latency

**Neutralize Known and Unknown Malware:** Discovers and actively blocks attempts from both known and unknown malware

**Network Reliability:** Deploys in-line on purpose-built hardware with features designed to deliver high performance under attack

**Industry-leading Threat Intelligence:** Leverage the leading research teams of Zero Day Initiative (ZDI) and Digital Vaccine® Labs (DVLabs) for up-to-date threat coverage for your organization's assets

**Comprehensive Security Solution:** Single vendor solution covering network security, advanced threats, end user protection and hybrid cloud



**TippingPoint**  
**RECOMMENDED**  
Next-Generation IPS

**99.5% Security Effectiveness**

**A LEADER**

**IN GARTNER 2017 IDPS  
MAGIC QUADRANT**

## NX TECHNICAL SPECIFICATIONS

Features	S7540NX	S7600NX
IPS Inspection Throughput	40 Gbps	100 Gbps
Latency	<40 microseconds	<40 microseconds
Security Contexts	10,000,000	25,000,000
Concurrent Sessions	120,000,000	300,000,000
New Connections per second	900,000	2,250,000
Form Factor	4U	10U
Number of Stacking Units	2	5
Redundancy per stack	N+1	N+1
Management Ports*	One out-of-band 10/100/1000 RJ-45 One RJ-45 serial console Manageable vis Security Management System(SMS), LSM HT TPS web interface, Command-line, TippingPoint MIB	
Voltage*	100-240 VAC	
Weight and dimensions*	42 lbs. (19.1Kg) 16.8 in. (W) x 21.75 in. (D) x 3.5 in. (H) 42.78 cm x 55.25 cm x 8.89 cm	
Current (max. fused power)*	12-6 A	
Max power consumption*	750W(2559 BTU/hour)	
Power supply*	Dual, redundant hot swappable	
Operating temperature*	32°F to 104°F(0°C to 40°C)	
Operating relative humidity*	5% to 95% non-condensing	
Non-operating/storage temperature*	-4°F to 158°F (-20°C to 70°C)	
Non-operating/storage relative humidity	5% to 95% non-condensing	
Altitude*	Up to 10,000 feet(3,048m)	
Safety*	UL 60950-1, IEC 60950-1 EN 60950-1, CSA 22.2 60950-1 RoHS Compliance	
EMC*	Class A, FCC, VCCI, KC EN55022, CISPR 22, EN55024 CISPR 24, EN61000-3-2 EN61000-3-3, CE Marking	

\*Per unit

## NX TECHNICAL SPECIFICATIONS

Supported I/O Modules	S7540NX	S7600NX
6 segments of 10/100/1000 Copper	✓	✓
6 segments of 1GbE SFP	✓	✓
4 segments of 10GbE SFP+	✓	✓
1 segment of 40GbE QSFP	✓	✓
4-segment Gig-T Bypass	✓	✓
2-segment 1G Fiber SR Bypass	✓	✓
2-segment 1G Fiber LR Bypass	✓	✓
2-segment 10G Fiber SR Bypass	✓	✓
2-segment 10G Fiber LR Bypass	✓	✓



Securing Your Journey to the Cloud

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Powered by XGen™ security



Trend Micro TippingPoint products and solutions are powered by XGen™ security, a smart, optimized and connected security approach