

TippingPoint_N-Platform

Technical Specifications

Hardware	TippingPoint 660N	TippingPoint 1400N	TippingPoint 2500N	TippingPoint 5100N
Performance				
Inspected Throughput ¹	750 Mbps	1.5 Gbps	3 Gbps	5 Gbps
Network Throughput ²	750 Mbps	1.5 Gbps	15 Gbps	15 Gbps
Typical Latency ³	< 80 microseconds	< 80 microseconds	< 80 microseconds	< 80 microseconds
Concurrent Network Sessions ⁴	6,500,000	6,500,000	10,000,000 ⁵	10,000,000 ⁵
Security Contexts ⁶	1,200,000	1,200,000	2,600,000	2,600,000
Connections Per Second	115,000	115,000	230,000	230,000
Scalability				
Interfaces	1 GbE	1 GbE	10 GbE	1 GbE
Ethernet Ports	(20) 10/100/1000	(20) 10/100/1000	(2) 10 GbE XFP	(20) 10/100/1000
Port Quantity/Type	(10) Copper/(10) SFP	(10) Copper/(10) SFP	(2) 10 GbE XFP	(2) 10 GbE XFP
Number of Port Segments	10	10	1	(10) Copper/(10) SFP
Zero Power HA	External	External	Modular	1
Power Dissipation				
Units	AC	AC	AC	DC
Amps (Max. Fused Power)	8A-5A	8A-5A	8A-5A	16A-8A
V	100-240	100-240	100-240	-36 to -60 VDC
Efficiency	66%	66%	71%	71%
Freq. Range (Hz)	50-60	50-60	50-60	50-60
Power Consumption - Watts	323	323	542	542
Power Consumption - BTU/hr	1,102	1,102	1851	1731
Dimensions				
Height (in)	3.42 (2U)	3.42 (2U)	3.42 (2U)	3.42 (2U)
Height (cm)	8.69	8.69	8.69	8.69
Width (in)	16.8	16.8	16.8	16.8
Width (cm)	42.86	42.86	42.86	42.86
Depth (in)	24	24	24	24
Depth (cm)	60.96	60.96	60.96	60.96
Weight (lb)	29	29	31.5	31.5
Weight (kg)	13.2	13.2	14.3	14.3

¹ Represents throughput levels measured with recommended security profiles

³ Measured on packet sizes up to 1518 bytes

⁵ Measured number limited by available test equipment

² Represents maximum throughput levels that can be achieved with the use of traffic forwarding

⁴ Maximum number of concurrent network sessions that can be supported by the IPS

⁶ Maximum number of sessions with security state that can be supported by the IPS

High Availability

- > Dual-Power Supplies (on models 660N, 1400N, 2500N, 5100N)
- > Layer 2 Fallback
- > Active-Active or Active-Passive
- > Stateful Redundancy (IPS + SMS)
- > Zero Power High Availability
- > SMS: Fault Tolerant Configurations Available

Security Certifications

- > Common Criteria EAL2+: Analyzer, Sensor, Scanner, System
- > Joint Interoperability Test Command (JITC) Certification for IPv6 Capability
- > FIPS Validated 140-2

Attack Filters

- > Number of Attack Filters – 4,000+
- > Categories
 - Worm
 - Phishing
 - Spyware
 - Virus
 - Suspicious
 - DDoS
 - Trojan
 - Reconnaissance
 - Bandwidth Hijacking
 - P2P
 - Walk-in Worm
 - Blended Threat
 - VoIP
 - Backdoor
 - Zero Day Initiative

Third Party Certifications/Awards/Designations

- > Refer to www.tippingpoint.com/products_awards.html

Actions

- > Block
- > Copy
- > Log
- > Quarantine
- > Permit
- > Alert
- > E-Mail
- > Rate Limit

Protocols/Applications (partial list)

- > IP
- > DNS
- > VLAN
- > IMAP
- > TCP
- > RPC
- > MPLS
- > SMB
- > ICMP
- > HTTP
- > FTP
- > Telnet
- > SMTP
- > UDP

Messaging

- > E-Mail
- > Script
- > Pager
- > Syslog
- > SNMP

LED Indicators

- > Status
- > Network Activity
- > Link State
- > System Power

Management Interfaces

- > 1 10/100 Ethernet
- > 1 Serial Port
- > 1 Front Panel LCD

Attack Filter Delivery Service

Digital Vaccine® Real-Time Inoculation

System Management (Three Options)

- > Command Line Interface (CLI)
- > Local Security Manager (LSM)
 - On-Box Web-based Management
- > Enterprise Security Management System (SMS)
 - Manages multiple TippingPoint systems
 - 1U Appliance
 - Operating System – TippingPoint OS
 - Client Requirements – Windows XP, 2000, NT or 9X, or Linux with X-Windows

Safety

- > UL60950-1
- > CSA 22.2-60950-1
- > EN60825: Safety of Laser Products
- > EN60950-1
- > IEC60950-1
- > ROHS Compliance

Immunity

- > EN-61000-3-2: Harmonic Emissions
- > EN-61000-3-3: Voltage Fluctuations and Flicker
- > EN-61000-4-2: ESD Immunity
- > EN-61000-4-3: Radiated Immunity

- > EN-61000-4-4 EFT: Burst Transients
- > EN-61000-4-5: Surge Protection
- > EN-61000-4-6: Injected RF
- > EN-61000-4-11: Dips and Sags

Emissions

- > FCC Class A: Regulations for Radio Frequency Devices for Electromagnetic Compliance
- > ICES-003, Class A
- > EN 55022 Class A
- > VCCI Class A
- > AS/NZS-3548 Class A

Warranty

The standard warranty is for a 12-month period.

Support

Phone support and training courses are available from TippingPoint.