

TippingPoint® Intrusion Prevention System (IPS) Technical Specifications

DATASHEET – IPS SPECS

Hardware	TippingPoint 10	TippingPoint 110	TippingPoint 210E	TippingPoint 330	TippingPoint 600E	TippingPoint 1200E	TippingPoint 2400E	TippingPoint 5000E
Performance <ul style="list-style-type: none"> Inspected Throughput Typical Latency Total Sessions Connections Per Second Invalid SYN/Second Under SYN Flood 	20 megabits per second < 500 microseconds 250,000 3,600+ n/a	100 megabits per second < 600 microseconds 250,000 9,700+ 70,000	200 megabits per second < 600 microseconds 1,000,000 8,000+ 65,000	300 megabits per second < 600 microseconds 250,000 18,500 130,000	600 megabits per second < 84 microseconds 2,000,000 92,000 1,170,000	1.2 gigabits per second < 84 microseconds 2,000,000 215,000 2,344,000	2.0 gigabits per second < 84 microseconds 2,000,000 350,000 3,000,000	5.0 gigabits per second < 84 microseconds 2,000,000 350,000 3,000,000
Scalability	Four 10/100/1000 Ethernet Ports Copper Only Total Segments - 2	Eight 10/100/1000 Ethernet Ports Copper Only Total Segments - 4	Ten 10/100/1000 Ethernet Ports Copper Only Total Segments - 5	Eight 10/100/1000 Ethernet Ports Copper Only Total Segments - 4	Eight 10/100/1000 Ethernet Ports Fiber and Copper Total Segments - 4	Eight 10/100/1000 Ethernet Ports Fiber and Copper Total Segments - 4	Eight 10/100/1000 Ethernet Ports Fiber and Copper Total Segments - 4	Eight 10/100/1000 Ethernet Ports Fiber and Copper Total Segments - 4
ZPHA	Built In	Built In	Built In	Built In	External	External	External	External
Power Dissipation Units Amps (Max. Fused Power) Voltage Efficiency Freq. Range (Hz) Power Consump.-Watts Power Consump.-BTU/hr	AC 1.8 100-240 85% 50-60 38.1 130	AC 3/2 100-240 70% 50-60 121 412	AC 3/2 100-240 74% 50-60 202 690	AC 6/3 100-240 70% 50-60 121 412	AC 8A-5A 100-240 67% 50-60 362 1234	AC 8A-5A 100-240 67% 50-60 362 1234	AC 8A-5A 100-240 67% 50-60 362 1234	AC 8A-5A 100-240 67% 50-60 362 1234
Dimensions Height (in) Height (cm) Width (in) Width (cm) Depth (in) Depth (cm) Weight (lb) Weight (kg)	2.02 (2U) 5.1 10.63 27 7.38 18.7 5.5 2.5	1.74 (1U) 4.42 16.75 42.55 18.25 46.35 15 6.8	1.7 (1U) 4.31 16.88 42.86 18.13 46.03 16 7.3	1.74 (1U) 4.42 16.75 42.55 18.25 46.35 15 6.8	3.44 (2U) 8.73 17.25 43.8 18.5 47 30.5 13.8	3.44 (2U) 8.73 17.25 43.8 18.5 47 30.5 13.8	3.44 (2U) 8.73 17.25 43.8 18.5 47 30.5 13.8	3.44 (2U) 8.73 17.25 43.8 18.5 47 30.5 13.8

High Availability

- Dual-Power Supplies (on models 600E and up)
- Layer 2 Failback
- Active-Active or Active-Passive Stateful Redundancy (IPS + SMS)
- Zero Power High Availability
- SMS: Fault Tolerant Configurations Available

Security Certification

- Common Criteria EAL2+: Analyzer, Sensor, Scanner, System

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
 - VolP
 - Backdoor
 - Zero Day Initiative

Third Party Certifications/Awards/Designations

Please 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)
 - Web-based Management for one (1) IPS device
 - HTTP and HTTPS (secure management) access
 - Microsoft Internet Explorer 6.0 or later, Firefox 1.5+, Mozilla 1.7+ or Netscape 8.1+
- 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

- UL1950 (1200E, 2400E)
- UL60950 (600E, 1200E, 2400E, 5000E)
- Standard for Safety of Information Technology Equipment
- CSA 22.2-60950
- EN60825: Safety of Laser Products
- EN60950
- IEC60950
- 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.