

TippingPoint® Intrusion Prevention System (IPS) Technical Specifications

IPS-Secured Networks

DATASHEET – IPS SPECS

Hardware	TippingPoint 50	TippingPoint 210E	TippingPoint 600E	TippingPoint 1200E	TippingPoint 2400E	TippingPoint 5000E
Performance • Aggregate Throughput • Typical Latency • Total Sessions • Connections Per Second • Invalid SYN/Second Under SYN Flood	50 megabits per second < 1 millisecond 128,000 5,000+ n/a	200 megabits per second < 1 millisecond 1,000,000 8,000+ 150,000	600 megabits per second < 84 microseconds 2,000,000 390,000 1,170,000	1.2 gigabits per second < 84 microseconds 2,000,000 781,000 2,344,000	2.0 gigabits per second < 84 microseconds 2,000,000 1,100,000 3,000,000	5.0 gigabits per second < 84 microseconds 2,000,000 1,100,000 3,000,000
Scalability	Two 10/100/1000 Ethernet Ports Copper Only Total Segments - 1	Ten 10/100/1000 Ethernet Ports Copper Only Total Segments - 5	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
Power Dissipation Units Amps (Max. Fused Power) V Efficiency Freq. Range (Hz)	AC 6/3 100-240 72% 50-60	AC 6/3 100-240 72% 50-60	AC 6/3 100-240 68% 50-60	AC 6/3 100-240 68% 50-60	AC 6/3 100-240 68% 50-60	AC 6/3 100-240 68% 50-60
Dimensions Height (in) Height (cm) Width (in) Width (cm) Depth (in) Depth (cm) Weight (lb) Weight (kg)	1.75 (1U) 4.4 17.25 43.8 12 30.5 12.5 5.7	2 5.1 17.25 43.8 12 30.5 12.7 5.8	3.5 (2U) 8.9 17.25 43.8 18.5 47 28.5 13	3.5 (2U) 8.9 17.25 43.8 18.5 47 28.5 13	3.5 (2U) 8.9 17.25 43.8 18.5 47 28.5 13	3.5 (2U) 8.9 17.25 43.8 18.5 47 28.5 13

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

Third Party Certifications/Awards/Designations

- SC Magazine Awards 2008 (US) - Best IDS/IPS Solution
- Leaders Quadrant – Gartner IPS Magic Quadrant, 1H'08
- Information Security Magazine - 2007 Reader's Choice Award
- Info Security Products Guide - 2007 Security Hot Company
- Frost & Sullivan Market Penetration Leadership Award – IDS/IPS Market (2005, 2006, 2007)
- Info Security Products Guide – Tomorrow's Technology Today Intrusion Prevention Award (2006)
- Frost & Sullivan Award for Technology Leadership (2005, 2006)
- Network World China Editor's Award (2006)

- Frost and Sullivan 2005 Network Security Infrastructure Protection Entrepreneurial Company of the Year
- Aberdeen Group – Best Practices Award for Security 2005
- Info Security Products Guide – Best Deployment Scenario 2005
- Channel Awards 2005 – Best Corp. App. Security Solution (50)
- The NSS Group – NSS Gold Award 2004
- SC Global Awards – Best Security Solution 2005
- Information Security Magazine – IPS Product of the Year 2004
- SC Magazine Best Buy of 2004, 2005
- SANS Institute Trusted Tool
- IDG 2004 Network Protection Product of the Year
- eWeek Excellence Award – Enterprise Resource Protection
- eWeek Labs Analyst's Choice
- CompTIA Best New Product 2003
- The Tolly Group – Up To Spec
- University Business Magazine “Show Stopper” Award

Attack Filters

- Number of Attack Filters – 3,000+
- Categories
 - Worm
 - Phishing
 - Virus
 - Suspicious
 - Spyware
 - DDoS

- Trojan
- P2P
- VoIP
- Reconnaissance
- Walk-in Worm
- Backdoor
- Bandwidth Hijacking
- Blended Threat
- Zero Day Initiative

Protocols/Applications (partial list)

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

Actions

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

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

- UL1950 (1200E, 2400E)
- UL60950 (50, 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. Phone support and training courses are available from TippingPoint.