

# TippingPoint Intrusion Prevention System (IPS) Technical Specifications

IPS-Secured Networks

DATASHEET – IPS SPECS

Hardware	TippingPoint 50	TippingPoint 200	TippingPoint 200E	TippingPoint 210E	TippingPoint 600E	TippingPoint 1200E	TippingPoint 2400E	TippingPoint 5000E
<b>Performance</b> <ul style="list-style-type: none"> <li>Aggregate Throughput</li> <li>Typical Latency</li> <li>Total Sessions</li> <li>Connections Per Second</li> <li>Invalid SYN/Second Under SYN Flood</li> </ul>	50 megabits per second < 1 millisecond 128,000 5,000+ n/a	200 megabits per second < 150 microseconds 2,000,000 130,000 n/a	200 megabits per second < 1 millisecond 500,000 8,000+ 60,000	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
<b>Scalability</b>	Two 10/100/1000 Ethernet Ports Copper Only Total Segments - 1	Four 10/100/1000 Ethernet Ports Copper Only Total Segments - 2	Four 10/100 Ethernet Ports Copper Only Total Segments - 2	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
<b>Power Dissipation</b> Units Amps (Max. Fused Power) V Efficiency Freq. Range (Hz)	AC 6/3 100-240 72% 50-60	AC 6/3 100-240 68% 50-60	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
<b>Dimensions</b> 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	3.5 (2U) 8.9 17.25 43.8 15 30.5 20 7.5	2 5.1 17.25 43.8 12 30.5 12.7 5.8	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 200 and above, excluding 200E & 210E)
  - 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**
- ICSA Labs Network IPS Certification (5000E)
  - Leaders Quadrant – Gartner IPS Magic Quadrant, 2H'06
  - Information Security Magazine - 2007 Reader's Choice Award
  - 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 Corporate Appliance 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
    - Spyware

- Virus
  - Trojan
  - P2P
  - VoIP
  - Suspicious
  - Reconnaissance
  - Walk-in Worm
  - Backdoor
- 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 (200, 1200E, 2400E)
  - UL60950 (50, 200E, 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.

