

## TippingPoint Technical Specifications

Hardware	TippingPoint X505	TippingPoint X506	TippingPoint 50	TippingPoint 200	TippingPoint 200E	TippingPoint 600E	TippingPoint 1200E	TippingPoint 2400E	TippingPoint 5000E
<b>Performance</b> 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+	50 megabits per second < 1 millisecond 128,000 5,000+	50 megabits per second < 1 millisecond 500,000 5,000+	200 megabits per second < 150 microseconds 2,000,000 250,000	200 megabits per second < 1 millisecond 500,000 8,000+ 450,000	600 megabits per second < 84 microseconds 2,000,000 500,000 2,000,000	1.2 gigabits per second < 84 microseconds 2,000,000 1,000,000 4,000,000	2.0 gigabits per second < 84 microseconds 2,000,000 1,000,000 4,000,000	5.0 gigabits per second < 84 microseconds 2,000,000 1,000,000 4,000,000
<b>Scalability</b>	Four 10/100 Ethernet Ports Copper Only 50 Segments - 4 Physical	Six 10/100 Ethernet Ports Copper Only 32 Segments - 6 Physical	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	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 2/1 100-240 70% 50-60	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 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)	2.0 5.1 17.25 43.8 12 30.5 12.7 5.8	1.75 (1U) 4.3 17.5 44.5 12 30.5 9.0 4.1	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	2.0 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 13.0	3.5 (2U) 8.9 17.25 43.8 18.5 47 28.5 13.0	3.5 (2U) 8.9 17.25 43.8 18.5 47 28.5 13.0	3.5 (2U) 8.9 17.25 43.8 18.5 47 28.5 13.0

### High Availability

- Dual-Power Supplies (on models 200 and above, excluding 200E)
  - Layer 2 Fallback
  - 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)
- ICSA Labs Firewall/IPSec VPN Certification (X505)
- Leader – Gartner IPS Magic Quadrant, 2H'05
- VARBusiness Tech Innovator Award 2006 – Security Hardware and Software (X505)
- Info Security Products Guide – Global Product Excellence Award 2006 (TippingPoint X505)
- Info Security Products Guide – Tomorrow's Technology Today Intrusion Prevention Award (2006)
- Frost & Sullivan Award for Technology Leadership (2005 and 2006)
- Frost & Sullivan Market Penetration Leadership Award – IDS/IPS Market (2005 and 2006)

- Network World China Editor's Award (2006)
- SEC Award 2006 – Security Week Brazil Best Product (X505)
- 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
- 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
  - Virus
  - Trojan
  - P2P
  - VoIP
  - Phishing
  - Suspicious
  - Reconnaissance
  - Walk-in Worm
  - Backdoor
  - Spyware
  - DDoS
  - Bandwidth Hijacking
  - Blended Threat
  - Zero Day Initiative

### Protocols/Applications (partial list)

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

### Actions

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

### Messaging

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

### LED Indicators

- Status
- Link State
- Network Activity
- System Power

### Management Interfaces

- 1 10/100 Ethernet
  - 1 Serial Port
- ### 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 (400, 1200E, 2400E)
- UL60950 (X505, X506, 50, 100E, 200E, 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.