

## TippingPoint™ X505

### DATASHEET



#### TECHNICAL SPECIFICATIONS

##### Performance

- 50+ Mbps IPS
- 50+ Mbps VPN (3DES/AES)
- 100+ Mbps Firewall
- 128,000 connections

##### Connectivity

- 4 x 10/100 data
- 1 x 10/100 management
- 1 x RS232/DB9 console
- 1 x USB (future)
- 1 x IEC AC power input

##### Capacity

- Unrestricted user license
- 32 Security Zones (4 physical)
- 250 IPsec Security Associations
- 1,000 concurrent Phase 2 IPsec VPN tunnels

##### Management

- Local Security Manager (HTTPS); CLI (local console, SSH); SNMP; TippingPoint SMS

##### VPN

- 3DES/DES/AES encryption
- X.509/Digital Certificates
- PPTP & L2TP/IPsec server for VPN client access

##### Firewall Deployment Mode

- Stateful packet inspection
- NAT (routed, transparent, mixed), NAT/PAT, port forwarding, and inter-zone firewall
- Time of day schedules
- Customizable services/groups

##### Content and URL Filtering

- On-box Web filtering
- Black/White URL lists
- Authenticated over-ride
- Subscription based Content Filter
  - 6 million categorized URLs
  - 40 content categories
  - 65 languages/200 countries
- Unlimited database size

##### Safety

- UL 60950-1, EN60950-1, CSA 22.2 No. 60950, IEC 60950

##### Emissions

- EN55022 Class A, FCC Part 15 Class A, ICES-003 Class A, VCCI Class A, ANSI C63.4 Class As

##### Power

- Input voltage: 100-240VAC
- AC Frequency: 50/60 Hz
- Current rating: 3 - 6 Amps (max)
- Power consumption: 200 W (max)

##### Environmental

- Operating Temperature: 0 to 40°C (32 to 104°F)
- Storage Temperature: -20 to 80°C (-4 to 176 °F)
- Humidity: 5 to 95% (non-condensing)

##### Dimensions

- 19" rack mountable
- Height: 2.0 in (51mm)
- Width: 17.25 in (438mm)
- Depth: 12.0 in (305mm)
- Weight: 12.7 lbs (5.8kg)

### Building Intelligence Into The Network

The TippingPoint X505 is the first integrated security platform based on the award-winning TippingPoint Intrusion Prevention System architecture with the extended functionality of virtual private network (VPN) and firewall, bandwidth management, quality of service and Web content filtering.

The TippingPoint X505 is specifically aimed at addressing the needs of the extended enterprise, regional branch office or medium-sized business by leveraging the same award-winning TippingPoint Intrusion Prevention capabilities and Digital Vaccine® update service used to protect many large enterprises. The TippingPoint X505 is the industry's first comprehensive security solution at a performance and price point that makes it affordable for branch offices to have best-of-breed, enterprise-class security.

The TippingPoint X505 utilizes the award-winning capabilities of the TippingPoint Intrusion Prevention Systems to continually cleanse the network of malicious traffic--worms, viruses, Trojans, Phishing attempts, Spyware, VoIP threats and other harmful traffic. To ensure constant protection, TippingPoint's Digital Vaccine security team continually develops new attack filters, also known as virtual software patches, to pro-emptively protect against the exploit of new and zero-day vulnerabilities. These vulnerability filters are created to block multiple attack variants on a single vulnerability, providing zero-day protection from unknown threats. In addition to vulnerability filters, the Digital Vaccine service updates customers' TippingPoint X505 devices with a variety of new filters to protect against a comprehensive range of emerging threats such as Spyware, Phishing and P2P threats.

Digital Vaccine updates are automatically delivered to customers every week, or immediately when critical vulnerabilities and threats emerge. TippingPoint's "Recommended Protection Settings" provides preconfigured policies to

automatically and accurately block attacks without any tuning, significantly reducing the amount of time and resources required to protect and maintain a healthy network.

In addition to the award winning IPS functionality, the TippingPoint X505 includes IPsec VPN, a stateful packet inspection firewall, Web content filtering, and policy-based traffic shaping, which provides fine grain bandwidth usage and control for both inbound and outbound traffic streams. One of the most compelling attributes of the X505 is that all of its functionalities are wholly interoperable. For example, IPS and traffic shaping can be applied within an IPsec VPN tunnel - effectively preventing the propagation of worms between enterprise branch locations, while simultaneously prioritizing site-to-site VoIP phone calls for enhanced VoIP quality.

The TippingPoint X505's bandwidth management capabilities are another unique differentiator. Non-critical applications, such as peer-to-peer file sharing can be throttled to reclaim valuable bandwidth. Conversely, mission-critical applications, such as video conferencing or voice over IP can be given priority to ensure Quality of Service. The TippingPoint X505 also provides a Web content filtering service that enhances productivity and reduces liability for organizations by enabling appropriate Web usage policy enforcement.

The TippingPoint X505 is supported by the TippingPoint Security Management System (SMS), an enterprise-class management platform, which provides intuitive management for multiple TippingPoint IPS or X505 devices. The TippingPoint SMS arrives with factory-installed software for

simplistic installation, and is the only IPS management system that boasts high availability (HA)/failover capabilities.

#### Proactive Network Security

The TippingPoint X505 leverages the same award-winning IPS engine and Digital Vaccine service used to protect thousands of enterprise-class networks throughout the world. By performing comprehensive deep packet inspection through Layers 2-7, the X505 delivers uncompromised security to eradicate attacks such as worms, viruses, Trojans, blended threats, DoS attacks, and a range of other threats. The TippingPoint X505 is the most-decorated in its field.

#### Maximize Business-Critical Applications

The TippingPoint X505 prioritizes real-time business-critical applications, including video conferencing, IP telephony and interactive distance-learning. Its innovative tunneling approach secures current and next-generation multicast conferencing applications as well as other business critical applications. In particular, the TippingPoint X505 can prioritize both inbound and outbound application traffic as well as inside and outside IPsec VPN tunnels. This unique feature offers high quality VoIP experiences to remote offices or users.

#### Enforce Acceptable Usage Policies with Content Filtering

The TippingPoint X505 can block or rate limit non-mission critical applications, and enforce acceptable Web-usage policies that improve productivity and reduce wasted bandwidth. This can ensure Internet access is being used for business-related activities, and provides protection from legal and social liabilities related to unacceptable Web content.

Web content filtering is simply a matter of check-marking the boxes in the categories to be restricted. The Web site filter database is a co-located geographically balanced hosted server, which is accessed in real time via the X505, eliminating the need to download an ever increasing database of unacceptable

## SECURITY

### Client and Server Protection

- Prevent attacks on vulnerable applications and operating systems
- Eliminate costly ad-hoc patching
- Multi-mode attack blocking

### Digital Vaccine Real-Time Protection

- Pre-emptive protection against threats
- Automatic distribution of latest filters
- Recommended Settings

### Spyware and Peer-to-Peer Protection

- Protect clients from becoming infected with spyware
- Prevent walk-in-worms (from infected laptops), from uploading data to the network
- Block or rate limiting Peer-to-Peer and Instant Messaging applications

### Multiple Security Zones

- Separate levels of policy enforcement:
  - Departmental subnets
  - Corporate DMZs
  - Student/teacher networks
  - Time-of-day based privileges

### Flexible Policy Engine

- Object-based policy rules:
  - Network/security zone/IP address group- Time-of-day based privileges
  - Service application
  - Schedules/time of day
  - VPN tunnels
- Unified control of multiple services:
  - Web filtering
  - Traffic shaping
  - User authentication
  - Device administration

### Encryption and Authentication

- Next-generation IPsec encryption, including hardware-accelerated DES, 3DES, and AES
- X.509 Digital Certificate authentication from internal or third-party certificate authorities
- Web-based user authentication

URLs, while ensuring your protection is always up to the minute because content is filtered through a continually updated database.

#### Digital Vaccine®: Constant Peace of Mind

TippingPoint's Digital Vaccine is an annual subscription service that ensures the TippingPoint X505 is constantly updated against the latest threats. Digital Vaccine also entitles access to TippingPoint's Threat Management Center (TMC), which serves as the central intelligence bureau for

- Multiple-privilege groups
- On-box and external RADIUS database

### URL Filtering

- Configurable allow/deny URL lists
- Regular-expression URL matching

### Web Content Filtering

- Annual subscription includes:
  - 40 content categories
  - Unlimited URL listings

## CONNECTIVITY

### Advanced Traffic Management

- Inbound and outbound traffic shaping:
  - VoIP
  - Video-conferencing
  - Business-critical applications
- Prioritization of traffic inside and outside VPN tunnels
- Flexible, policy based controls:
  - Time-based schedules
  - Type of service

### Out-of-Box VPN Client Support

- Operating systems supported include:
  - Microsoft
  - Apple
- Standard protocols supported include:
  - PPTP
  - L2TP/IPSec
  - IPsec

### Flexible Network Deployments

- Support for mixed environments irrespective of topology or IP addressing scheme:
  - Transparent
  - Routed
  - NAT (including Virtual Server and PAT)
  - Combined deployments
  - Dynamic Routing (RIP V1 and 2)
  - 802.1Q VLAN Tagging

### IP Multicast Routing over IPsec

- Support for PIM-DM IP multicast routing between sites over IPsec VPN, providing support for next-generation IP conferencing applications

TippingPoint Intrusion Prevention Systems.

The TMC searches for emerging vulnerabilities and continually develops new signatures and algorithms to block attacks on the network. TippingPoint's TMC Web site is the premier one-stop resource for TippingPoint X505 customers, providing up-to-date attack filter and software updates as well as product documentation.