

# TREND MICRO INTERSCAN WEB SECURITY SUITE 3.1 ON CROSSBEAM X-SERIES

## BENEFITS:

- Virtualization of your network resources and web security reduces complexity
- Integrate additional applications with Crossbeam's open architecture
- Reduce energy consumption by consolidating and virtualizing firewalls
- Up to 4.8 Gbps throughput while protecting thousands of users
- Ensure reliability with products that are jointly engineered

## CUSTOMER NEEDS, BUSINESS AND OPERATIONAL IMPACTS

The exponential increase in web threats, from malicious code to spyware, and the multi-variant methods of propagating these threats has resulted in highly complex and expensive security deployments. Just analyzing a single lookup of a web site requires a complicated sequence of security functions including proxy chaining, inline and tap-based inspections, "cache hit" sequencing, and load balancing application traffic to the right security mitigation functions. These operations occur over multiple security boxes and networking gear, each of which needs to be set up very precisely with respect to the next service in the sequence. The end result is a complex set of security appliances with load balancers and switches gluing them together.

This "security appliance sprawl" drives the need for a simpler and more effective content gateway deployment: the Crossbeam Secure Web Gateway (SWG). The SWG represents the convergence of the latest content protection technologies, blending sophisticated URL filtering with malware scanning that, in turn, integrates P2P and bot-blocking, end-node remediation, proxy cache, decryption, and encryption.

## THE SOLUTION ARCHITECTURE

The SWG reduces complexity and consolidates multiple functions into a single web security services platform that dramatically simplifies today's appliance mess. Trend Micro InterScan Web Security Suite (IWSS) provides anti-virus, anti-malware, and anti-spyware, with optional URL filtering and Applet/Active-X security. It also blocks viruses and Trojans, and scans for worms hidden in web pages and web-based email. IWSS 3.1 is deployed on the Crossbeam X-Series Next Generation Security Platforms to provide comprehensive web threat protection and the performance and reliability required by large enterprises.

## THE CROSSBEAM SOLUTION: DIFFERENTIATED VALUE

Web-based attacks all have one thing in common: they have to traverse the web gateway. To successfully secure their networks, enterprises must deploy a secure web gateway that can scale to meet the most onerous traffic demands while providing industry-leading resiliency. The ultra-high performance and reliability of the Crossbeam Next Generation Security Platform ensure that network security teams deliver a safe end user Web experience without sacrificing choice, security, or availability - delivering new capabilities faster, with fewer devices, lower cost, and less staff.

## COMPONENTS OF THE SECURE WEB GATEWAY

Crossbeam X-Series platform uses a patent-pending system architecture that consists of the chassis (X45, X80) and three hardened components - the Network Processor Module (NPM), the Control Processor Module (CPM), and the Application Processor Module (APM) - resulting in the industry's most highly available and reliable, and best performing Next Generation Security Platform. The XOS™ operating system forms the basis for integrating Trend Micro IWSS into the Crossbeam platform.

## SOLUTION TECHNICAL REQUIREMENTS:

### IWSS 3.1 ON CROSSBEAM X-SERIES GENERAL SPECIFICATIONS

	APM-8650
IWSS Features	Malware scan, URL Filtering, AAXS
Processors	1 or 2 Quad Core CPU
Memory	4 GB standard, up to 16 GB optional
HDD Storage	1 or 2 120 GB RAID optional

### PERFORMANCE SPECIFICATIONS (IWSS 3.1, XOS 8.1, MALWARE SCAN, PROCESS MODE)\*

Specifications	APM-8650, dual processor, 16GB RAM
Max. Users	7500 to 15,000 depending on user type

### NETWORKING SPECIFICATIONS

L3 Proxy Mode	Both explicit and transparent proxy modes supported
Advanced Features	MLT/LACP Integrated dynamic routing (OSPF)

### KEY TREND MICRO WEB SECURITY FEATURES AND FUNCTIONS

HTTP and FTP malware scanning
Spyware and grayware scanning
Anti-phishing
Layer 3 transparent proxy support
Optional URL filtering
LDAP support
IntelliTunnel filtering for IM blocking
System health monitoring
Outbound blocking of "phone home" traffic
Optional Applet and ActiveX Security module (AAXS)
Role-based delegated administration
Damage control system collaboration "hook"

## ABOUT CROSSBEAM

We improve the sophisticated networks of enterprises, government agencies, and service providers by architecting platforms that are more adaptable, high-performing, reliable, and secure.