

M86 Secure Web Gateway

Real-time Malware Protection for On-premises and Mobile Users

The M86 Secure Web Gateway (M86 SWG) provides the most comprehensive malware protection possible using true real-time analysis technology. Through policy enforcement and granular Web controls, it enables organizations to manage productivity, reduce data breach risks and access Web 2.0 applications safely. When combined with the scalable M86 Security Reporter, it offers fast, detailed reporting for visibility into Web activity and long-term proof of compliance. M86's hybrid cloud option extends full, consistent protection to mobile and remote users through a single management interface. Easy to manage and integrate, the M86 SWG requires minimal support and resources, making it a cost-effective solution.

KEY BENEFITS

Proactive Real-time Protection from Dynamic Malware

- Prevents emerging malware from infiltrating the network
- Reduces time spent discovering, cleaning and re-imaging infected systems
- Reduces resources required for patch management by limiting the need for emergency patches

Web 2.0 Social Media and Productivity Control

- Enables productive use of Web-based applications
- Reduces help desk calls by allowing infected Web pages to display safely, while removing malicious content
- Helps enforce Internet Acceptable Use Policies

Industry and Legal Compliance

- Reduces liability risks by blocking inappropriate sites
- Provides a wide range of reporting views and dashboards to show proof of compliance
- Allows organizations to control and own several years of Web activity data

Data Leakage Prevention

- Reduces data loss risks by enabling organizations to control access to social media sites flexibly
- Safeguards corporate/brand reputation by preventing inappropriate outbound content

Comprehensive Reporting

- Helps mitigate security risks by identifying high-risk users responsible for generating dangerous Web activity
- Provides essential security threat reports
- Easy to manage and integrate

KEY FEATURES

- **Policy settings wizard** for easy setup and management of security policies with single-click rules refinement
- **Powerful logging and reporting** of user transactions (as required for regulatory compliance) with onbox reporting or optional standalone enterprise security reporter
- **Secure content caching** for accelerated content delivery and enhanced productivity
- **X-Ray Mode** for testing new policy rules on live traffic without disrupting ongoing business operations
- **Intelligent update mechanism** for automatic and controlled (per scanner) product and OS upgrades, security updates and third-party engine updates
- **SNMP support** provides "just-in-time" alerts of relevant operational events using SNMP traps and email alerts
- **Multiple upstream proxies** can be defined and used based on an assigned upstream proxy policy
- **Multi-level/delegated administration** enables multiple administration groups to manage and monitor the system with different authorities
- **Supports transparent and non-transparent proxy mode** as well as bridge mode
- **User authentication/identification** based on Microsoft Active Directory® or other LDAP servers without requiring installation of additional software
- **Secure LDAP** ensures authentication credentials transfer securely from the directory server to the appliance
- **Supports RADIUS authentication** for administrators
- **Robust hardware platform** for enterprise-grade throughput performance
- **Active/standby** policy server option
- **Scalable** multi-appliance solution
- **High availability** and load balancing
- **Smooth integration** into various network topologies and monitoring systems (supports Cisco WCCPv2, ICAP, Syslog and SNMP v3 standards)

INNOVATIVE TECHNOLOGIES

Real-time Code Analysis

Protects from New and Dynamic Malware in Real Time

M86's Real-time Code Analysis engine detects and blocks obfuscated code and other dynamic cybercrime techniques in real time. It analyzes all incoming and outgoing Web content communicated over HTTP and HTTPS for malicious threats, regardless of origin and without signature matching. As a result, malware is stopped before entering the network—even when hidden in encrypted SSL traffic. It's the only security solution capable of understanding intent of the code in real time and then blocking or allowing it accordingly.

Vulnerability Anti.dote™

Closes the Vulnerability Gap for Known, Zero-hour Attacks

Vulnerability Anti.dote provides proactive Web security and reduces patch management overhead. Based on M86's knowledge of new software vulnerabilities, behavioral rules are created that enable Vulnerability Anti.dote to identify and block content that tries to exploit weaknesses. As a result, new rules are included in M86's security updates and installed transparently in all M86 SWG deployed appliances.

Dynamic Web Repair™

Eliminates Malicious Code from Web Content

In the event a legitimate Web site is compromised, Dynamic Web Repair™ removes the malicious code seamlessly without blocking the Web page. After eliminating the offending code, Dynamic Web Repair™ delivers safe Web content to the user, ensuring continued productivity. In a test of almost 1 million URLs from the Alexa list of top sites, Dynamic Web Repair™ fixed 99% of malicious URLs.

Granular Social Media Control

Controls Access to Web 2.0 Sites

There's no need to choose between allowing full site access and blocking it completely. M86's Granular Social Media Control feature enables organizations to block posts, comments or uploads to sites such as Facebook and Twitter, while allowing employees to use other site functions.

M86 Web Filter List

Manages User Productivity

This URL category database provides millions of URLs in more than 100 categories. It offers greater control for access to specific website categories, including Web 2.0, Webmail and streaming media. It also enables highly granular Web activity reporting. Built from the ground up, the M86 Web Filter List uses advanced search tools and content verifiers to review, analyze and categorize websites.

ADDITIONAL OPTIONS

Anti-virus

Scans for Known Malware

M86's optional anti-virus modules scan, detect and block known viruses prior to the deep content scanning provided by Real-time Code Analysis. This is available as an optional feature and can be included in the Vital Web Security Suite package.

M86 Secure Web Service Hybrid

Consistent Security Coverage for Mobile Users

When combined with M86 Secure Web Gateway, the M86 Secure Web Service Hybrid integrates cloud-based and on-premises Web security for consistent, real-time threat protection and Acceptable Use Policy enforcement for remote office and mobile workers. Organizations can maintain full control of their Web security policies and data both on-premise and in the cloud using a single management interface. It gives organizations complete visibility into their onsite and remote Web traffic.

M86 Security Reporter

Fast, Comprehensive Security Reporting

The M86 Security Reporter is the most scalable Web security reporting solution available and provides total visibility into Web traffic for organizations using the M86 Secure Web Gateway. Its drill-down, detailed reporting and sizeable storage capacity enable organizations to meet regulatory compliance and legal discovery requirements for several years of data. It analyzes Web behavior, trends and risks for evaluation and refinement of Acceptable Use Policies, and its fast data processing enables high performance without compromising filtering or real-time content scanner speed. This all-in-one, standalone appliance requires no additional hardware, software and support resources, so organizations can maximize their investments and minimize costs.

M86 SWG DEPLOYMENT OPTIONS

On-premises

M86 SWG appliances are available onsite for:

- Large organizations -- **M86 SWG 7000**
- Enterprises -- **M86 SWG 5000**
- Midsize organizations -- **M86 SWG 3000**

Hybrid Cloud

The M86 Secure Web Service Hybrid combines on-site and in-the-cloud security, protecting users at headquarters, in branch offices and in remote locations.

M86 SWG APPLIANCE MODELS

M86 SWG 3000 for Midsize Organizations



Hardware Performance Specifications SWG 3000	
CPU	1 x Intel Xeon Quad-Core X3430 2.4GHz
Hard Disk	250GB 3.5" 7200 RPM Simple-Swap
Memory	2GB
Rack space (1U)	430 x 560.1 x 43 mm (WxDxH) 17.3 x 22 x 1.69 inches (WxDxH)
Gigabit Ethernet NIC	4
Caching Kit (optional extension to the SWG 3000)	
Hard disk	250GB SATA2

M86 SWG 5000 for the Enterprise



Hardware Performance Specifications SWG 5000	
CPU	2 x Intel Xeon Quad-Core E5506 2.13GHz
Disk	2 x 146GB SAS (RAID 1)
Memory	4GB DDR3
Rack space (2U)	440 x 711 x 43 mm (WxDxH) 17.3 x 28 x 1.69 inches (WxDxH)
Gigabit Ethernet NIC	4
Caching Kit (optional extension to the SWG 5000)	
Hard disk	2 x 73GB SAS
RAID controller	1 x IBM ServeRAID MR10i

M86 SWG 7000 for Large Organizations



Hardware Performance Specifications SWG 7000 (per blade)	
CPU	2 x Intel Xeon Quad-Core E5506 2.13GHz
Hard Disk	Up to 2x146GB SAS
Memory	4GB DDR3
Gigabit Ethernet NIC	Up to 4
Caching Kit (optional extension to the SWG 7000 scanner)	
Hard disk	73GB SAS
IBM eServer® BladeCenter™ Chassis	
Max. number of blades	14 hot-swappable blade servers
Rack space (7U)	44.4 x 71.1 x 30.4 cm (WxDxH) 17.5 x 28 x 12 inches (WxDxH)
Redundancy	Hot-swappable blowers and power supplies
Number of users per deployment	Up to 30,000 per chassis



M86 SWG appliances are environmental-friendly due to their power consumption savings, and they comply with the EU RoHS Directive.

M86 SECURITY REPORTER APPLIANCE MODELS



M86 Security Reporter 735 (standalone)

Hardware Specifications SR 735	
Chassis	2U
CPU	Quad Core - 2x Xeon E5620 Quad Core 2.40Ghz
Hard Disk	5x250GB HDs (4 @ RAID 5, 1 hot spare)
Memory	12 GB RDIMM
Storage	Varies based on attached storage option selected
Maximum Capacity	Up to 50 million transactions/day (50 GB of logs/day)

M86 Security Reporter 705 (standalone)

Hardware Specifications SR 705	
Chassis	2U
CPU	Quad Core - 2x Xeon E5620 Quad Core 2.40Ghz
Hard Disk	5x1tb HDs (4 @ RAID 5, 1 hot spare)
Memory	12 GB RDIMM
Storage	2.3 TB available for data storage
Maximum Capacity	Up to 50 million transactions/day (50 GB of logs/day)

ABOUT M86 SECURITY

M86 Security is the global expert in real-time threat protection and the industry's leading Secure Web Gateway provider. The company's appliance, software, and Software as a Service (SaaS) solutions for Web and email security protect more than 24,000 customers and over 17 million users worldwide. M86 products use patented real-time code analysis and behavior-based malware detection technologies as well as threat intelligence from M86 Security Labs to protect networks against new and advanced threats, secure confidential information, and ensure regulatory compliance. The company is based in Orange, California with international headquarters in London and development centers in California, Israel, and New Zealand.

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