

# M86 SECURE WEB GATEWAY



## The Only Intelligent Web Security. The Most Flexible Deployment Options.

### INNOVATIVE TECHNOLOGIES

**Real-time Code Analysis**  
Protects from New and Dynamic Malware in Real Time

**Vulnerability Anti.dote™**  
Closes the Vulnerability Gap for Known, Zero-hour Attacks

**Dynamic Web Repair™**  
Eliminates Malicious Code from Web Content

**Granular Social Media Control**  
Controls Access to Web 2.0 Sites

**M86 Web Filter List**  
Manages User Productivity

The M86 Secure Web Gateway (SWG) offers the best Web security and the most flexible deployment options in the industry, providing full coverage to every user, regardless of connection or location. It protects organizations from even the most complex malware while enabling productive access to Web 2.0 applications. Centralized policy control and a single interface make the M86 SWG easy to manage, whether it's deployed as a traditional appliance, virtual appliance, hybrid cloud or any combination of the three.

### HIGHLIGHTS



#### Accurate Malware Protection

The M86 SWG uses advanced multi-layered technologies to prevent all forms of malware from infiltrating the network. Popular anti-virus, URL filters, firewalls and purported "real-time" solutions cannot protect against 60% of today's malware. Only the M86 SWG can completely close that malware gap.



#### Safe and Productive Web 2.0 Use

Granular Social Media Control allows organizations to open up access to Web 2.0 and the social media without worrying about data leaks, productivity loss or malware infection.



#### Flexible Deployment Options

Available as a traditional appliance, virtual appliance or hybrid cloud option, it extends full security to remote and mobile users. The M86 SWG integrates easily into numerous network architectures, so organizations can choose the option that best fits their infrastructure, cost and resource requirements.



#### DLP and Compliance

The M86 SWG reduces data loss risks and ensures regulatory compliance by protecting organizations from information-stealing malware; by preventing users from posting and uploading sensitive data to social media sites; and by providing simple, yet robust reporting to prove compliance or identify potential security risks.



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**SC Magazine Awards:**  
Finalist—Honored in  
the U.S.

**SC Magazine Awards**  
Europe: Shortlisted

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**SC Magazine UK**

“The SWG 5000 offers a unique and very effective range of security measures against web threats. It is easy to deploy and configure, with the latest code adding a number of useful new features, including greatly improved reporting”

—Dave Mitchell

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## BENEFITS

### Intelligent Malware Prevention

M86 AMP (Adaptive Multi-layered Protection) prevents all forms of malware from infiltrating the network. Popular anti-virus, URL filters, firewalls and purported “real-time” solutions cannot protect against 60% of today’s malware. Only the M86 SWG can completely close that malware gap.

### Safe and Productive Web 2.0 Use

Granular Social Media Control, coupled with the M86 AMP intelligent malware engine, allow users to access Web 2.0 and social media without worrying about data leaks, productivity loss or malware infection.

### Security for All Users, Regardless of Location or Connection

Available as a traditional appliance, virtual appliance or hybrid cloud option, the M86 SWG extends full security and policy control to remote and mobile users.

### Single Solution for Security, Policy Control and Reporting

Regardless of the combination of deployment options used, organizations can manage their security and reporting solution easily through a single, central interface.

### Data Loss Prevention (DLP)

Identifies data-stealing malware, including keystroke loggers, phishing attacks, Trojans and root kits. It creates policy, enforces rules and makes it easy to prevent users from posting or uploading sensitive data to social media sites.

### Regulatory and AUP Compliance

Simple, yet robust reporting identifies potential policy breaches or regulatory violations, and optional, extensive storage provides long-term proof of compliance. Because the M86 SWG prevents data loss, it enforces compliance with regulations that require data security and integrity.

### Affordable Solution with Low TCO

Cost-saving features include convenient, flexible deployment options, ease-of-maintenance, scalability, adaptable malware detection and remediation, a future-proof design and single, centralized management. These features offer high value at an exceptionally low TCO.

### Robust, Flexible and Easy-to-Use Reporting

Includes complete on-box reporting. For additional reporting capabilities, the M86 Security Reporter can be integrated with the M86 SWG to provide powerful, easy-to-use reports (templates or custom-built) for various recipients within an organization, real-time dashboards, and more.

## FEATURES

### Advanced Technologies

#### M86 AMP (Adaptive Multi-layer Protection)

This intelligent security engine uses multiple layers of technologies to accurately identify malicious code and respond appropriately, based on attack type, to remove the threat without impacting productivity.

The AMP intelligent layers include the following M86-exclusive technologies:

#### 1. Malware Entrapment Engine

Detects specifically what will happen when code on a Web page is executed. It does this by correlating code on different parts of a Web page without relying solely on heuristics, patterns or any type of estimated outcome. The M86 SWG is the only secure Web gateway with this level of accuracy.

#### 2. Real-time Code Analysis with Dynamic Web Repair

Detects and then blocks or removes obfuscated code and other dynamic cybercrime techniques in real time. It analyzes all incoming and outgoing Web content communicated over HTTP and HTTPS, regardless of origin and without signature matching. Compromised code can be removed from a Web page, leaving the legitimate code intact without risking malware exposure or impacting productivity.

#### 3. Virtual Vulnerability Patching

Enables organizations to immunize all systems from known vulnerabilities without needing to apply emergency patches. Behavioral rules are created to identify and block content that tries to exploit one or more identified weaknesses, and new rules are included in security updates and installed transparently in all M86 SWG-deployed appliances.

## Industry-standard Technologies to Catch Known Threats

### 4. Anti-virus

Scans and blocks known viruses prior to the advanced scanning methods performed by the intelligent M86 AMP engine.

### 5. Heuristics

Uses a type of pattern or formula to deduce whether malicious code exists on a Web page.

## Advanced Productivity, Management and Reporting Features

- Flexible Deployment Options include a traditional appliance, virtual appliance or hybrid cloud option, allowing full security for all users, anywhere and anytime.
- Granular Social Media Control enables organizations to block posts, comments or uploads to social media sites such as Facebook and Twitter, while allowing employees to use other site functions.
- Central Management enables any combination of deployment options to be managed centrally and easily from a single interface.
- DLP Policy Tools help users create DLP policy and enforce regulations through logic conditions, rules and single-click refinement.
- Application Control enables the control (allow/block) and management of multiple popular applications, including instant messaging and Facebook, and rich content types, such as Adobe Flash, PDF and Microsoft Office files.
- Powerful logging and reporting of user transactions assist with regulatory compliance requirements.
- Secure content caching provides accelerated content delivery.
- X-Ray Mode tests 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.
- Supports multiple modes include transparent and non-transparent proxy mode as well as bridge mode.

- User authentication/identification based on Microsoft Active Directory® or other LDAP servers, without the need for installation of any additional software.
- Secure LDAP ensures that authentication credentials are transferred securely from the directory server to the appliance.
- Supports RADIUS authentication for administrators.
- Robust hardware platform for enterprise-grade throughput performance.
- Active/stand-by policy server option.
- High availability and load balancing.
- 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.
- Smooth integration into various network topologies and monitoring systems (supports Cisco WCCPv2, ICAP, Syslog and SNMP v3 standards).

## M86 SECURE WEB GATEWAY DEPLOYMENT OPTIONS

The M86 SWG provides organizations with the widest range of flexible deployment options available. This enables organizations to:

- Provide equal, portable security to remote, mobile and on-premises users, regardless of how they connect to the network
- Choose the option that best fits their infrastructure, budget and resource requirements
- Manage security and control policies consistently and easily from a single interface
- Minimize costs by using one low-maintenance solution for all users, eliminating the need for additional hardware, and preventing malware attacks
- Improve productivity by allowing users to connect to the network anytime, anywhere
- Integrate the solution into a variety of existing network architectures easily

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## DEPLOYMENT OPTIONS

### On-premises Appliance

Provides comprehensive, scalable security and policy control for organizations that do not have, or plan to implement a virtual environment.

### Virtual Appliance

Provides the same high-level security and policy enforcement as its on-premises counterpart, but with the flexibility to deploy on an organization’s hardware of choice via VMware.

When used with the M86 Security Reporter virtual appliance, organizations receive a fully virtual, easy-to-manage solution for security and reporting.

### Hybrid Cloud

Combines cloud-based and on-premises Web security to provide consistent policy enforcement and security to all users who connect to the network internally, remotely or while on-the-go. Requires no hardware installation at branch offices.

Organizations can also choose to deploy various combinations of these options to meet specific needs, such as budget, number of users, existing infrastructure and branch offices by size.

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## M86 SWG APPLIANCE MODELS

	M86 SWG 3000 for Midsize Organizations	M86 SWG 5000 for the Enterprise	M86 SWG 7000 for Large Organizations
			
CPU	1 x Intel Xeon Quad-Core X3430 2.4 GHz	2 x Intel Xeon Quad-Core E5506 2.13 GHz	2 x Intel Xeon Quad-Core E5506 2.13 GHz
Hard Disk	250 GB 3.5" 7200 RPM Simple-Swap	2 x 146 GB SAS (RAID 1)	Up to 2 x 146 GB SAS
Memory	4 GB	4 GB DDR3	4 GB DDR3
Gigabit Ethernet NIC	4	4	Up to 4
Hard Disk (optional extension)	250 GB SATA2	2 x 73 GB SAS	73 GB SAS
RAID Controller	N/A	1 x IBM ServeRAID MR10i	N/A
Max. number of blades	N/A	N/A	14 hot-swappable blade servers
Rack Space (WxDxH)	1U: 430 x 560.1 x 43 mm 17.3 x 22 x 1.69 inches	2U: 440 x 711 x 43 mm 17.3 x 28 x 1.69 inches	7U: 44.4 x 71.1 x 30.4 cm 17.5 x 28 x 12 inches
Redundancy	N/A	N/A	Hot-swappable blowers and power supplies
Users per Deployment	N/A	N/A	Up to 30,000 per chassis



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

## M86 SECURITY REPORTER APPLIANCE MODELS

	M86 Security Reporter 705	M86 Security Reporter 735
		
CPU	2 x Intel Xeon E5620 Quad Core 2.40 GHz	2 x Intel Xeon E5620 Quad Core 2.40 GHz
Hard Disk	5 x 1 TB HDs (4 @ RAID 5, 1 hot spare)	5 x 250 GB HDs (4 @ RAID 5, 1 hot spare)
Memory	12 GB RDIMM	12 GB RDIMM
Storage	2.3 TB available for data storage	Varies based on attached storage option selected
Chassis	2U	2U
Maximum Capacity	Up to 50 million transactions/day (50 GB of logs/day)	Up to 50 million transactions/day (50 GB of logs/day)

## ABOUT M86 SECURITY

### TRY BEFORE YOU BUY

M86 Security offers free product trials and evaluations.

Simply contact us or visit:

[www.m86security.com/downloads](http://www.m86security.com/downloads).

M86 Security is the global expert in real-time threat protection and the industry's leading Secure Web Gateway provider. The company's hardware, virtual appliance, software, and Software as a Service (SaaS) solutions for Web and email security protect more than 25,000 customers and 26 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 Irvine, California with international headquarters in London and development centers in California, Israel, and New Zealand. For more information about M86 Security, please visit: [www.m86security.com](http://www.m86security.com).



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