

# Full Spectrum Network Defense—McAfee Network Security Platform (M-Series)

Protect against malware and unauthorized access and enforce policy with advanced intrusion prevention

## Product Overview

McAfee® Network Security Platform is the industry's most advanced and proven intrusion prevention system (IPS) that accurately detects and protects against intrusion, denial-of-service (DoS) and distributed-denial-of-service (DDoS) attacks, and network misuse. McAfee Network Security Platform provides threat protection to enterprise networks, ranging from 100 megabits (Mb) to 10 gigabits (Gb) and delivers knowledge-driven security that is integrated, automated, and actionable.

McAfee Network Security Platform's Network Security Manager dashboard provides full visibility of events. Integration with the McAfee® ePolicy Orchestrator® (McAfee ePO™) software and McAfee Vulnerability Manager helps manage and enforce compliance with reduced effort.

McAfee Network Security Platform, the world's most advanced threat protection platform, safeguards networks against security hazards while enforcing security policies. McAfee Network Security Platform provides a comprehensive and efficient network security infrastructure.

## Key Benefits

### Proactive, comprehensive enterprise-wide threat prevention

- Blocks network attacks and protects your productivity and data
- Reduces blind spots and provides enterprise-wide visibility
- Protects every device connected to the network
- Safeguards extensive networks accurately and efficiently
- Defends against most vulnerabilities—including zero-day, malware, DoS and DDoS attacks, phishing, and peer-to-peer tunneling

### Maximizes coverage and value

- Leverages the existing security ecosystem while integrating or upgrading to a new network and system security infrastructure
- Bridges network and system gaps through the McAfee security risk management (SRM) framework

### Improves business continuity

- Prevents network threats and exploits from interrupting business operations
- Delivers enterprise-level performance and ensures reliability
- Promotes availability of network bandwidth
- Simplifies operations concerning threat and signature management
- Accelerates network performance, scalability, and flexibility
- Redundancy and fail-over capabilities ensure network reliability

### Integrates network and system security

- Collaborates with McAfee Vulnerability Manager, McAfee ePO software, and McAfee Network Access Control (NAC) to enhance network protection, visibility, and efficiency
- Empowers real-time security decisions
- Reduces time-to-protection

## Features that Set McAfee Network Security Platform Apart

### 10-gigabit Ethernet performance

- Offers better than 10-Gbps performance with the highest port density
- Architected for high-performance networks
- Addresses today's evolving security and network needs

- Provides affordable and reliable network-class performance
- Protects all enterprise locations, from the network core to branch offices, with purpose-built platforms

#### **Award-winning, network-class protection**

- Awarded the Gold Award, by NSS Labs and Product of the Year 2006 by *Information Security Magazine* and Search Security.com. It is the only intrusion prevention system (IPS) to hold the NSS Group's multigigabit IPS certification.
- Acts both as an intrusion detection system (IDS) and as an IPS
- Safeguards all network-connected devices with a combination of IPS and internal firewall—providing overlapping and integrated protection
- Defends against current and future threats with dynamic threat and vulnerability updates
- Includes behavior and anomaly, signature, and DoS/DDoS detection; also protects against encrypted attacks
- Offers the best zero-day vulnerability coverage. Includes vulnerabilities of applications such as from Adobe, Oracle, Cisco, Microsoft, and other vendors

#### **Greater visibility and policy enforcement through integration**

- Integrates with McAfee Vulnerability Manager, McAfee ePO, and other devices, saving time and IT resources
- Provides on-demand visibility on critical host details, threats, and risk relevance to ensure actionable security
- Limits bandwidth to low-priority traffic and provides high-priority traffic with the required throughput
- Safeguards unpatched systems until patch-process initiation.

#### **Dynamic network access control integration**

- Provides pre- and post-admission control and identity-based access control when integrated with the optional NAC add-on
- Extends the reach and depth of network enforcement with the ability to control access to managed, unmanaged, and unmanageable hosts
- Offers host quarantine and enforces access policies—blocks a badly behaving host and quarantines it until remediation

#### **Policy enforcement and regulatory compliance**

- Real-time vulnerability awareness and compliance reporting
- Risk-aware IPS with McAfee Vulnerability Manager integration
- Behavior-driven host quarantine
- Internal and regulatory policy enforcement

#### **Server Requirements**

Below are system requirements for McAfee Network Security Manager software.

#### **Operating system**

Microsoft Windows Server 2003 Standard Edition, SP2 English OS (32-bit or 64-bit) (Note: For 64-bit, only X64 architecture is supported)

Microsoft Windows Server 2003 R2 (Standard Edition), Japanese OS (32-bit)

#### **Memory**

2GB or higher

#### **CPU**

Minimum: 2 GHz Pentium 4 processor

Recommended: Dual 2 GHz processors

#### **Disk space**

Minimum: 40 GB

Recommended: 80 GB disk with 8 MB memory cache

#### **Network**

100 Mbps card

#### **Monitor**

32-bit color, 1024 x 768 display setting

#### **Hosting McAfee Network Security Manager on a VMware platform**

Below are system requirements for hosting Manager server on a VMware platform. (Note that the supported VMware version is ESX 3.02.)

#### **Operating system**

Microsoft Windows Server 2003 (Standard Edition) SP2 (32-bit or 64-bit), English OS

#### **Memory**

2 GB or higher

#### **Virtual CPUs**

Minimum: 2

Recommended: 2 or more

**Data Sheet** Full Spectrum Network Defense—McAfee Network Security Platform (M-Series)

**Disk space**

Minimum: 40 GB

Recommended: 80 GB

**Client Requirements**

Below are system requirements for client systems connecting to the Manager application.

**Operating system**

Microsoft Windows XP (Standard Edition) SP2

**Memory**

512 MB

**Browser**

Internet Explorer 6.0 or 7.0

**Monitor**

32-bit color, 1024x768 display

**About McAfee® Labs™**

McAfee Labs delivers the core technologies and threat intelligence that power the McAfee suite of endpoint, web, email, and network security products. With a research footprint that covers the globe, McAfee Labs provides accurate and predictive global threat intelligence. A team of

350 multidisciplinary researchers in 30 countries follows the complete range of threats in real time, identifying application vulnerabilities, analyzing and correlating risks, and enabling instant remediation. Support from McAfee Labs' 24/7 emergency response team ensures the highest level of insight into emerging risks.

**About McAfee**

McAfee, Inc., headquartered in Santa Clara, California, is the world's largest dedicated security technology company. McAfee is relentlessly committed to tackling the world's toughest security challenges. The company delivers proactive and proven solutions and services that help secure systems and networks around the world, allowing users to safely connect to the Internet and browse and shop the web more securely. Backed by an award-winning research team, McAfee creates innovative products that empower home users, businesses, the public sector, and service providers, enabling them to prove compliance with regulations, protect data, prevent disruptions, identify vulnerabilities, and continuously monitor and improve their security. <http://www.mcafee.com>.

