



Technical Note  
Secure Web Gateway

# DeepNines Secure Web Gateway

## protect, control and manage web applications, users and traffic

### Background

DeepNines Secure Web Gateway enables organizations to easily protect, control and manage Web applications and traffic with complete in-line visibility across all ports, protocols and user identities. By unifying patented firewall, intrusion prevention, unified threat prevention, and Web application security in a single product, Secure Web Gateway solves the challenges of the Web by providing both best-in-class security and performance.

The Secure Web Gateway appliance provides uniquely integrated identity-based application control, proxy blocking, threat prevention, intrusion prevention, bandwidth management, content filtering and data loss prevention across all ports and protocols that performs at gigabit speeds. With all-inclusive and high-performance Web security, Secure Web Gateway customers enjoy the lowest total cost of ownership (TCO) in the industry by reducing hardware sprawl, point security products, and bandwidth overhead. The Secure Web Gateway appliance provides powerful and advanced administrative, monitoring and reporting tools in an easy-to-use user interface that includes complete visibility of the entire network.

Feature	Description	Benefit
Identity-based management	<ul style="list-style-type: none"> <li>Intrusion prevention (IPS)</li> <li>Stateful and stateless firewall protection</li> <li>Deep packet inspection</li> </ul>	Real-time identification and protection from complex attacks by uniting behavioral and signature-based intrusion prevention (IPS) with deep packet inspection (DPI) across all ports and protocols
Proxy Blocker	<ul style="list-style-type: none"> <li>Web proxy and anonymizers blocking</li> </ul>	Detects and prevents Web-based proxies and anonymizers that circumvent filtering and security policies, and make the network vulnerable to attacks in real-time
Bandwidth Manager	<ul style="list-style-type: none"> <li>Network bandwidth management</li> <li>QoS traffic shaping</li> </ul>	Monitors and manages network traffic across all ports and protocols, enabling you to make informed decisions on access and control through traffic shaping, application regulation, and consumption prioritization
Content Inspector	<ul style="list-style-type: none"> <li>Data loss prevention</li> <li>Policy management</li> <li>Dictionary support</li> </ul>	Power to identify and protect against data leakage regardless of application, port or protocol in real-time with near-zero latency ensuring sensitive information and confidential assets remain private to eliminate violations with compliance regulations, security practices and privacy policies
AppControl	<ul style="list-style-type: none"> <li>Web application control</li> </ul>	Identifies and classifies all Web applications for granular control of Web-based tools and applications by user and policy to allow, block, limit or prioritize access to any Web application by user and/or group

ID Manager	<ul style="list-style-type: none"> <li>• Identity-based management</li> <li>• Seamless integration with other solutions</li> </ul>	Complete visibility and control of all Web users and Web usage, with the effortlessly incorporation of directory services, including eDirectory, Active Directory and Open Directory, for the identification and management of users within the DeepNines Secure Web Gateway
Content Filter	<ul style="list-style-type: none"> <li>• Content and URL filtering</li> <li>• Categorization of the Web</li> </ul>	Granular policy enforcement for all websites and users with over 60 URL categories to enable organizations to allow or block access to websites for individuals, user groups, or globally
Malware Firewall	<ul style="list-style-type: none"> <li>• Anti-virus</li> <li>• Malware prevention</li> </ul>	Protection from today's Web-based threats of viruses, phishing attacks, and all forms of malicious code
Hallpass	<ul style="list-style-type: none"> <li>• New approach to password override</li> <li>• Single instance and time-based</li> </ul>	Administratively allow managers, executives or groups to bypass content filtering rules and policies through a user-friendly, Web-based interface that records and logs all activity
Central Manager	<ul style="list-style-type: none"> <li>• Centralized reporting</li> <li>• Administration</li> </ul>	Comprehensive, easy-to-use console for the DeepNines Secure Web Gateway that enables administrators to report on and manage the system

## Appliance Specifications

Secure Web Gateway is available in a wide selection of appliance models that are intended to address your distinct network throughput requirements. Please contact your DeepNines sales representative for more information at [sales@deepnines.com](mailto:sales@deepnines.com) or 214.273.6996.

	F910	F9100 Small	F9100 Large	F9250	F9500
Users	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Memory	8GB Memory (4x2GB), 1333MHz Dual Ranked UDIMMs for 1 Processor, Advanced ECC	16GB Memory (8x2GB), 1333MHz Dual Ranked UDIMMs for 2 Processors, Advanced ECC	16GB Memory (8x2GB), 1333MHz Dual Ranked UDIMMs for 2 Processors, Advanced ECC	24GB Memory (6x4GB), 1066MHz Quad Ranked RDIMMs for 2 Processors, Optimized	24GB Memory (6x4GB), 1333MHz Dual Ranked RDIMMs for 2 Processors, Optimized
Feature Upgrades for Embedded NIC Ports	Dual Two-Port Embedded Broadcom® NetXtreme II 5709 Gigabit Ethernet NIC	Dual Two-Port Embedded Broadcom® NetXtreme II 5709 Gigabit Ethernet NIC	Dual Two-Port Embedded Broadcom® NetXtreme II 5709 Gigabit Ethernet NIC	Dual Two-Port Embedded Broadcom® NetXtreme II 5709 Gigabit Ethernet NIC	Dual Two-Port Embedded Broadcom® NetXtreme II 5709 Gigabit Ethernet NIC
Primary Processor	Intel® Xeon® E5502, 1.86Ghz, 4M Cache, Turbo, HT, 800MHz	Intel® Xeon® E5504, 2.0Ghz, 4M Cache, Turbo, HT, 800MHz	Intel® Xeon® E5506, 2.13Ghz, 4M Cache, Turbo, HT, 800MHz	Intel® Xeon® E5530, 2.4Ghz, 8M Cache, Turbo, HT, 1066MHz	Intel® Xeon® E5540, 2.53Ghz, 8M Cache, Turbo, HT, 1066MHz

## Real-Time Network Defense

Additional Processor	Single Processor Only	Intel® Xeon® E5504, 2.0Ghz, 4M Cache, Turbo, HT, 800MHz	Intel® Xeon® E5506, 2.13Ghz, 4M Cache, Turbo, HT, 800MHz	Intel® Xeon® E5530, 2.4Ghz, 8M Cache, Turbo, HT, 1066MHz	Intel® Xeon® E5540, 2.53Ghz, 8M Cache, Turbo, HT, 1066MHz
1st Hard Drive	HD Multi-Select	HD Multi-Select	HD Multi-Select	HD Multi-Select	HD Multi-Select
Primary Controller	SAS 6/iR Integrated	SAS 6/iR Integrated	SAS 6/iR Integrated	SAS 6/iR Integrated	SAS 6/iR Integrated
BIOS Setting	Power Saving BIOS Setting	Power Saving BIOS Setting	Power Saving BIOS Setting	Power Saving BIOS Setting	Performance BIOS Setting
Embedded Management	iDRAC6 Express	iDRAC6 Express	iDRAC6 Express	iDRAC6 Express	iDRAC6 Express
Internal Optical Drive	DVD ROM, SATA, Internal	DVD ROM, SATA, Internal	DVD ROM, SATA, Internal	DVD ROM, SATA, Internal	DVD ROM, SATA, Internal
Hard Drive Configuration	No RAID for SAS 6/iR Controllers	No RAID for SAS 6/iR Controllers	No RAID for SAS 6/iR Controllers	No RAID for SAS 6/iR Controllers	No RAID for SAS 6/iR Controllers
Power Supply	Energy Smart Power Supply, Non-Redundant, 502W	Energy Smart Power Supply, Non-Redundant, 502W	Energy Smart Power Supply, Non-Redundant, 502W	Energy Smart Power Supply, Non-Redundant, 502W	Energy Smart Power Supply, Non-Redundant, 502W
Power Cords	NEMA 5-15P to C14 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord	NEMA 5-15P to C14 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord	NEMA 5-15P to C14 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord	NEMA 5-15P to C14 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord	NEMA 5-15P to C14 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord
Hard Drives	160GB 7.2K RPM SATA 2.5" Hot Plug Hard Drive	250GB 7.2K RPM SATA 2.5" Hot Plug Hard Drive	300GB 10K RPM Serial-Attach SCSI 2.5" Hot Plug Hard Drive	300GB 10K RPM Serial-Attach SCSI 2.5" Hot Plug Hard Drive	73GB 10K RPM Serial-Attach SCSI 2.5" Hot Plug Hard Drive; and 300GB 10K RPM Serial-Attach SCSI 2.5" Hot Plug Hard Drive
Rails	Optional	Optional	Included	Included	Included
Redundant Power Supply	Optional	Optional	Included	Included	Included
Fail to Wire Cards	Optional	Optional	Optional	Optional	Optional
NIC Cards	Optional	Optional	Optional	Optional	Optional



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