Next-generation remote access appliances with comprehensive web firewall functionality, IPSec and SSL VPN capabilities for browser-based access, Identity-based web portals, endpoint compliance enforcement, granular policy control, single-sign-on and robust application optimization

Microsoft IAG Powered, Integrated SSL VPN Appliance

The nApplliance Net-Gateway mIAG appliances are high-performance appliance platforms combined with application access and security software. Net-Gateway mIAG appliances deliver the optimum user experience, balancing the ease of use your end users desire with the strong security features your network requires.

nApplliance Net-Gateway mIAG appliances provide a powerful combination—a network-layer firewall (Microsoft® Internet Security and Acceleration Server 2006) and a full SSL VPN (Microsoft Intelligent Application Gateway (IAG) 2007). The appliances deliver a policy-driven framework that unifies endpoint security, application access and access control in a highly-scalable platform to satisfy the demands of small to large-scale infrastructures and complex environments.

Provide Comprehensive Secure Access
The Intelligent Application Gateway (IAG) with Application Optimizers provides SSL VPN, a Web application firewall, and endpoint security management that enable access control, authorization and content inspection for a wide variety of line-of-business applications. Together, these technologies provide mobile and remote workers with easy and flexible secure access from a broad range of devices and locations including kiosks, PCs, and mobile devices. IAG also enables IT administrators to enforce compliance with application and information usage guidelines through a customized remote access policy based on device, user, application or other business criteria.

Control Access
Secure browser-based access to corporate applications and data from more locations andmore devices without requiring client installation and provisioning.
- Policy-driven access to almost any application, network, server or resource
- Flexible application-intelligent SSL VPN from any device or location
- Highly granular access and security policy
- Customizable, identity-based Web portal experience

Protect Assets
Integrated application protection helps ensure the integrity and safety of network and application infrastructure by blocking malicious traffic and attacks.
- Deep content inspection and filtering with input Inspection validation and granular upload / download controls
- Web application firewall enforces app-specific filtering to protect apps from unmanaged PCS and networks
- Integration with enterprise infrastructure ensures the integrity, safety of network resourcesand applications
- Extensive monitoring and logging helps drive policy compliance by tracking user activity and data usage

Safeguard Information
Comprehensive policy enforcement helps drive compliance with legal and business guidelines when accessing sensitive corporate data.
- Browser-based full network access
- Strong endpoint security management and verification ensures endpoint health, compliance, session control
- More granular control at the browser over users' access to Web and non-Web resources
- Helps meet corporate information usage guidelines through client-side cleanup

Application Optimizers
The mIAG includes multiple Intelligent Application Optimizers, integrated software modules with pre-configured settings designed for secure remote access to widely used business applications. Optimizers enable endpoint security, application publishing and server request filtering for default values on a per-application basis to help ensure a flexible balance between achieving business objectives and enforcing network and data security. Included are customized granular access policy and security capabilities for Microsoft Exchange Server. SharePoint Portal Server and Dynamics, as well as for many third-party business applications such as SAP, IBM Domino and Lotus Notes.
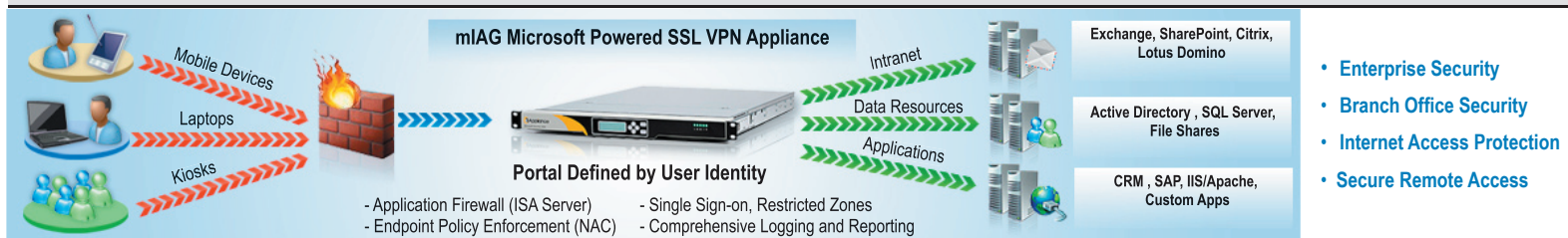
Product Highlights:

- Secure Remote Access offers access for employees, partners, and customers from virtually any remote device or location
- Enhanced Branch Office Security connectivity and security for remote sites
- Increased Internet Access Protection offers resiliency for IT infrastructure from Internet-based threats
- Unlimited system scalability and high availability support thru 3rd party network load-balancing (NLB) clustering options
- Choice of Six purpose-built appliance platforms, scalable architecture built using multi-core 64-bit Processor, high network port density and SSL/IPSec crypto accelerators for highest application performance and network throughput
- Maximum uptime thru network load-balancing and component-level redundancy

Key Features and Benefits:

- **All-in-One, SSL VPN Solution built on ISA Server Firewall Foundation.** Provides the connectivity and security you require for remote access for business and enterprises of all sizes, branch office networking, and internet access applications.
- **State of the art Firewall.** Built-In network edge protection through stateful packet inspection and application protection with advanced protocol filtering and validation.
- **Intelligent, Simple, Next Generation Remote Access Connectivity.** Secure, policy-driven remote access via SSL VPN, with application optimization for popular business applications such as:
  - Exchange Outlook Web Access
  - Shared Point Portal
  - Lotus Domino Web Access
  - IBM Web Sphere
  - SAP Portals
  - Microsoft Dynamics
- **Endpoint, NAC Security Management.** Endpoint security management and verification ensures endpoint health, compliance, session control. Helps meet corporate information usage guidelines through client-side cleanup
- **Centralized Policy Based Access Control.** Centralizes policy management, controlling access by protocol or application type and by user, group, roles, schedules, content type tied to Active Directory
- **Easy Windows MMC based Manageability.** Offers industry most advance feature and familiar windows interface
- **Lowest Total Cost of Ownership.** Exceptional ease of implementation enables IT leaders to be confident that their network, users, client devices, and application are protected with the leading Microsoft security appliance family celebrated for assured performance and lowest TCO
- **Centralized Appliance Management through ONEface™.** Our Intuitive Web GUI management tool offers easy network setup, configuration, backup/restore, updates, logging, reporting, 3rd party security applications add-on and centralized appliance system operation
- **Flash Based Field Recovery and Restore System (FFRS™).** Our recovery system combined with advanced LCD functionality offers appliance recovery to factory defaults, enables multiple system image copies backup to local disk or network, and instant restore to last good known state. Graphical LCD provides an easy to use front panel for easy network configuration, management and status display
- **Superior Forefront Product Technology, Value and Support**. Enjoy state of the art system and application integration, best price-to-performance-ratios in the industry, deployment assistance for Microsoft ISA and IAG technologies, global technical support, efficient appliance life cycle management and upgrades, and above all future proofing with Microsoft Forefront Security Architecture.

mIAG Deployment: Integrated Remote Security Delivery

mIAG Microsoft Powered SSL VPN Appliance

Mobile Devices
Laptops
Kiosks

Intranet
Data Resources
Applications

Portal Defined by User Identity

- Application Firewall (ISA Server)
- Endpoint Policy Enforcement (NAC)
- Single Sign-on, Restricted Zones
- Comprehensive Logging and Reporting

Exchange, SharePoint, Citrix, Lotus Domino

Active Directory , SQL Server, File Shares

CRM , SAP, IIS/Apache, Custom Apps

- **Enterprise Security**
- **Branch Office Security**
- **Internet Access Protection**
- **Secure Remote Access**

Net-Gateway mIAG SSL / VPN Features

System Scalability and High Availability	
Highly Scalable Hardware and Software, High Availability	Supports an unlimited number of users on a single edge access gateway. Scales linearly with up to 64 high-availability node configurations thru 3rd party software integration. High availability hardware configurations with hot swappable disks and power supplies.

Network Access Manageability	
Configuration Flexibility	Standard configurations for widely-deployed enterprise applications, and extensive customization capabilities.
SSL VPN portal	Endpoint policy enforcement and compliance checks.
Logging and Reporting	Supports monitoring, logging, reporting for management and accounting.
Comprehensive Policy Framework	Standard application access settings and endpoint policy configurations ensure minimal integration overhead and low ongoing management costs. Supports Intelligent Application Toolkit and Template.

Network Access Policy	
Endpoint Compliance Checks	Endpoint policy allows administrators to define compliance checks according to standard variables including presence of security software and IAG-specific components such as Attachment Wiper.
End-User Experience	Delivers a standard SSL VPN portal and log in pages for easy set up and low administrative overhead. Supports comprehensive portal and login page customization.
Certificate Management	Built-in certificate authority enables administrators to grant a user a trusted endpoint certificate for a specific machine on request.
Extensive Remote Connectivity Options	•Client/Server Connector provides out-of-the-box secure access to client/server applications including Microsoft Exchange, Lotus Notes native client, Citrix, Microsoft Terminal Services, FTP and Telnet •Multiple tunneling modes including Port Forwarding and Socket Forwarding •Network Connector allows administrators to install, run and manage remote connections that give users full network-layer connectivity over a virtual and security-enabled transparent connection and give users the same functionality they would have if they were connected to the corporate network. Provides external users with a local IP address as if they are on the network, allowing for remote access to corporate servers and complex systems such as file shares and internal databases over a secure network layer connection (shared folders). The Network Connector Module tunnels almost any IP-based protocol, enabling support for Voice over IP (VoIP).
Comprehensive ISA Server Firewall Foundation	Provides full firewall functionality including packet filtering, stateful filtering, and application-layer filtering.
Hardware Platforms with Multiple Choices	1u rackmount platforms with from 2-8GB RAM, 4-8 GigE/FE ports, Pentium dual core or multiple Xeon dual or quad core processors, single or dual hot swappable power supplies, and dual disk drives, RAID, optional hot swappable drives.

nAppliance
application protection & acceleration

nAppliance Networks, Inc.
540 Dado Street, San Jose, CA 95131, USA
Phone: 1-408-895-5000 (Local) 1-877-895-nAPP (6277) (US-Toll Free) 011-408-895-5000 (International)
Fax: 1-408-943-8222/8101 **Email:** *info@nappliance.com* **Website:** *http//www.nappliance.com*

Microsoft

RSA
The Security Division of EMC

RESONATE

Models: mIAG (Product Specifications)	500i	1100i	1200i	2100i	2200i	3200i
Deployment Type (Business / Enterprise)						
Recommended Named Users for Appliance (1:2)*	Small / 500	Small, Medium / 1,000	Medium / 2,000	Medium, Large / 5,000	Large / 10,000	Very Large / 15,000
UAG Optimized Hardware Platform **	No	Yes	Yes	Yes	Yes	Yes
System Performance *						
Concurrent Users (Low Activity Usage, < 5 Apps)	300	600	1,200	2,500	5,000	7,500
Concurrent Users (Medium Activity Usage, 5-10 Apps)	200	400	800	1,500	3,000	5,000
Concurrent Users (High Activity Usage, 11-20 Apps)	100	150	300	700	1,200	2,000
Concurrent Users (Power Usage, 20+ Apps)	50	100	150	350	700	1,000
Burst Mode: Concurrent New User Login / Minute	90	90	100	125	200	350
Burst Mode: Concurrent New User Login < 3 minutes	250	250	250	300	500	1,000
High Availability & Scalability						
High Availability (Built-In)	No	No	No	No	No	No
HA: Active/Active Scalable Cluster (Resonate Upgrade)	64 Nodes-Linear Scaling	64 Nodes-Linear Scaling	64 Nodes-Linear Scaling	64 Nodes-Linear Scaling	64 Nodes-Linear Scaling	64 Nodes-Linear Scaling
HA: Active/Active Scalable Cluster (External Load Balancer)	Yes	Yes	Yes	Yes	Yes	Yes
Hardware Specifications						
Network Ports: LAN PCIe (RJ45)	4-GbE (Rear)	4-GbE (Rear)	6-GbE (Rear, front-optional)	6-GbE (Rear)	6-GbE (Rear)	8-GbE (Rear)
Network Port: Lights Out Management, IPMI (RJ45)	Optional, Shared	Optional, Shared	Optional, Shared	Yes, Dedicated	Yes, Dedicated	Yes, Dedicated
Hardware Crypto Accelerator CPU-Off-Load	No, Software Only	No, Software Only	Yes, 64-bit PCI-X	Yes, 64-bit PCIe	Yes, 64-bit PCIe	Yes, 64-bit PCI-X
TPS/Throughput: SSL or IPSec Rating			7,000 / 1Gbps max	17,000 / 2.5Gbps(max)	17,000 / 2.5Gbps (max)	11,000 / 2.5Gbps (max)
CPU-Qty / Core Type	(1) Intel Pentium Dual Core	(1) Intel Pentium Dual Core	(1) Intel Core2 Duo	(1) Xeon Quad Core (Conroe)	(1) Xeon Quad Core (Conroe)	(2) Xeon Quad Core (Cloverton)
CPU Cores	2	2	2	4	4	8
CPU FSB / L2-Cache	800Mhz / 4MB	800Mhz / 4MB	800Mhz / 4MB	1066Mhz / 8MB	1066Mhz / 8MB	1066Mhz / 8MB ea
Memory-RAM **	2 GB DDR2 ECC	4 GB DDR2 ECC (earlier models w/2GB)	4 GB DDR2 ECC (earlier models w/2GB)	6 GB DDR2 ECC (earlier models w/4GB)	8 GB DDR2 ECC (earlier models w/4GB)	12 GB DIMM ECC (earlier models w/4GB)
Hard Disk: System OS	(1) 3.5" Internal	(2) 3.5" Internal	(2) 3.5" Internal	(2) 3.5" Hotswap, Front	(2) 3.5" Hotswap, Front	(2) 3.5" Hotswap, Front
Disk- Qty / Type **	80 GB, SATA2	250 GB, SATA2 (earlier model w/80GB)	500 GB, SATA2 (earlier model w/80GB)	500 GB, SATA2 (earlier model w/250GB)	300 GB, SAS, 15K (earlier model w/73GB)	300 GB, SAS, 15K (earlier model w/73GB)
Disk-Mirror Hardware RAID	No	Yes, RAID-1	Yes, RAID-1	Yes, RAID-1	Yes, RAID-1	Yes, RAID-1
Flash Disk: Recovery OS						
FFRS: Flash based Field Recovery System	Yes	Yes	Yes	Yes	Yes	Yes
ROM Drive-DVD / CD Built-In	No	No	No	Yes	Yes	Yes
LCD Interface w/6-Keypad	No	Yes, Graphical	Yes, Graphical	Yes, Graphical	Yes, Graphical	Yes, Graphical
Power Supply Module	Single	Single	Single	Single	Dual, Hotswap	Dual, Hotswap
Power: Univeral 110-120V	260 Watts	260 Watts	260 Watts	560 Watts	2 x 450 Watts	2 x 650 Watts
Ports (USB / RS232 / VGA)	2 / 1 / 1	2 / 1 / 1	2 / 1 / 1	2 / 1 / 1	2 / 1 / 1	2 / 1 / 1
Form-Factor	1U 2-Post	1U 2-Post	1U 2-Post	1U Rackmount 4-Post	1U Rackmount 4-Post	1U Rackmount 4-Post
Dimensions (H x W x D)-inch	1.75 x 17 x 14	1.75 x 17 x 14	1.75 x 17 x 14	1.75 x 17 x 25	1.75 x 17 x 25	1.75 x 17 x 25
Management: Features by nAppliance						
LCD based Appliance Configuration Manager	Yes	Yes	Yes	Yes	Yes	Yes
ONEface: Web based Appliance Manager						
Web-Based Appliance Setup and Management	Yes	Yes	Yes	Yes	Yes	Yes
Automatic Software Updates (from nAppliance)	Yes	Yes	Yes	Yes	Yes	Yes
FFRS: Flash Based Field Recovery System (CLI)						
Recovery Bare-Metal: Restore to Factory Default Image	Yes	Yes	Yes	Yes	Yes	Yes
Recovery Bare-Metal: DVD Bootable Media Included	Yes	Yes	Yes	Yes	Yes	Yes
Backup Image: Local and Network based Options	Yes	Yes	Yes	Yes	Yes	Yes
Restore Image: To any Last Good Known State	Yes	Yes	Yes	Yes	Yes	Yes
LOM: Lights-Out Remote Appliance Management (It provides BIOS-Level KVM Access over Web even when Appliance is powered-off)						
IPMI based Out of Band Management	Optional, IPMI over LAN	Optional, IPMI over LAN	Optional, IPMI over LAN	Yes, IPMI iKVM over LAN	Yes, IPMI iKVM over LAN	Yes, IPMI iKVM over LAN
Lights-Out-Manager: Client-Based, CLI	Yes	Yes	Yes	Yes	Yes	Yes
Lights-Out-Manager: Web Based	No	No	No	Yes	Yes	Yes
Centralized Multi-Appliance Management Option	Yes	Yes	Yes	Yes	Yes	Yes
ONEface based Health Monitoring, SNMP Traps	Yes	Yes	Yes	Yes	Yes	Yes
Management: Microsoft Built-In Support						
IAG Configuration Management						
Centralized Multi-IAG Management Console	No	No	No	No	No	No
Operational Management						
Automatic Software Updates (from Microsoft)	Yes	Yes	Yes	Yes	Yes	Yes
MOM: Microsoft Operation Manager	Yes	Yes	Yes	Yes	Yes	Yes
System Software						
Appliance System Software:						
Hardened Microsoft Embedded Operating System	Windows Server 2003	Windows Server 2003	Windows Server 2003	Windows Server 2003	Windows Server 2003	Windows Server 2003
Microsoft Security Suite						
IAG: ISA + Whale SSL/VPN	Microsoft IAG 2007 (Ver 3.7)	Microsoft IAG 2007 (Ver 3.7)	Microsoft IAG 2007 (Ver 3.7)	Microsoft IAG 2007 (Ver 3.7)	Microsoft IAG 2007 (Ver 3.7)	Microsoft IAG 2007 (Ver 3.7) - 2 CPU Lic
Microsoft License: User / CAL Required	Yes, 10 CALs bundled	Yes, 10 CALs bundled	Yes, 10 CALs bundled	Yes, 10 CALs bundled	Yes, 10 CALs bundled	Yes, 10 CALs bundled
Commerical 3rd Party Applications Support	Yes	Yes	Yes	Yes	Yes	Yes
Warranty: Standard Service and Support						
Standard: Express Replacement, 30 Days	Yes	Yes	Yes	Yes	Yes	Yes
Standard: Help Desk Support, 30 Days	Yes	Yes	Yes	Yes	Yes	Yes
Standard: Hardware Depot Repair - 1 Year	Yes	Yes	Yes	Yes	Yes	Yes
Upgrade: Hardware Express Replacement - Multi-Year	Optional	Optional	Optional	Optional	Optional	Optional
Upgrade: Help Desk Support - Multi-Year	Optional	Optional	Optional	Optional	Optional	Optional
Pricing (MSRP)						
mIAG: Price w / 10 CAL Users Bundled						