



Network Remote Access Solution Overview

The nAppliance mIAG 2200i is an edge gateway access appliance based on embedded version of Microsoft Forefront Internet Access Gateway IAG 2007. It is a cost-effective, next-generation appliance with comprehensive secure access functionality which includes firewall functionality, IPSec and SSL VPN capabilities, and End-Point security and robust application optimization.

Control Access: Secure, browser-based access to corporate applications and data from more locations and more devices without requiring client installation and provisioning.

Protect Assets: Integrated application protection helps ensure the integrity and safety of network and application infrastructure by blocking malicious traffic and attacks.

Safeguard Information: Comprehensive policy enforcement helps drive compliance with legal and business guidelines when accessing sensitive corporate data.

mIAG 2200i 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. It delivers simple, convenient SSL VPN access for remote user population, web-application firewall protection, and intelligent application optimizers to simplify access to popular application- fully integrated, with turnkey "out of the box" convenience for:

- **Anywhere VPN Remote Access Solution:** Securely extend access to partners, customers, consultants and remote employees to applications, documents, and data from any PC or device from outside the corporate network from virtually any device or location.
- **Branch Office Security:** Enhanced connectivity and security for remote sites.
- **Internet Access Protection:** Increased resiliency for IT infrastructure from Internet-based threats.

nAppliance Platform Highlights

The nAppliance mIAG 2200i is ideal for Large Size Business deployments; it's a purpose-built, 1U rack-optimized and most competitive remote access solutions appliance platform in its class. It provides:

- Powered by Intel Xeon Quad Core Processor, its unique architecture offers high performance multi-core Processing, a large 8MB high-speed cache, multi-lane PCIe bandwidth, virtualization, deep packet acceleration with lowest packet latency, highest system throughput and unfaltering scalability to support large number of processor intensive integrated security applications workload.
- Ease of installation and configuration flexibility, the appliance provides six Gigabit Ethernet RJ-45 ports and can be deployed as turnkey solution.
- Built-in SSL/IPSec Crypto Offload Accelerator offers highest application performance and network throughput.
- Ease of System Administration thru LCD Manager and FFRS, a Flash based Field Restore System and Image automation tool. Front-panel Graphical LCD interface helps ease appliance setup and system status checkups. FFRS enables system image backup, restore and "Bare-Metal" recovery. Backup any number of system image to local disk partition, removable media or a network target, such images than can be used for a quick restore to "last good known state". Bare-Metal appliance recovery support, restore a "factory-default" image from a secondary hard disk partition or a Recovery DVD media.
- Enterprise grade non-stop system availability thru superior thermal design, component-level redundancy and built-in remote lights-out appliance system hardware manageability. Hardware based SAS RAID controller technology and high performance dual SAS disk drive mirroring configuration allows uninterrupted system operations in case of a single disk drive failure, redundant hot-swap disk drives offers no downtime while RAID array is being rebuild on replacement drive. Dual redundant hot-swap power supply modules and dual power source protect against component or power loss. Offering dual power source inlets and redundant fans makes it an ideal choice for most mission-critical applications. Industry standard IPMI based Out-Of-Band, lights-out manageability for BIOS-level remote system access; IPMI operates independent of the operating system, when sending commands to the appliance hardware over IP network, it provides administrators remote access with the ability to monitor, manage, receive alerts, diagnose and recover appliance systems, even if the operating system has hung or the system is powered down.
- Pre-bundled with 10 Client Access Licenses, appliance scales up to 2500 users and its unique multi core architecture supports a burst rate of up to 200 new user logins per minute. NLB Scalability package supports High Availability (active/active) and up to 64 nodes in an array.

Solution Key-Features

- "All in One", SSL VPN solution provides the connectivity and security you require for remote access for business of all sizes, branch office connectivity and internet access applications.
- System Scalability and High Availability, up to 64 NLB nodes cluster
- Supports industry standards and seamless integration into Microsoft centric infrastructures and offers centralized policy based access control tied to Active Directory
- Pre-loaded with embedded version of Microsoft IAG 2007, hardened Windows Server 2003 and ISA Server 2006 to provide IPSec VPN support, and network firewall and application filtering capabilities for inbound traffic
- Granular Policy Based Access Control by protocol or application type and by user, group, roles, schedules, content type tied to Active Directory.
- Customizable Identity-based End-User web portal experience, support for multiple portals and specific policy configuration for each portal.
- Network Access Control, Endpoint security management and verification ensures endpoint health compliance, helps meet corporate information usage guidelines through client-side cleanup
- Intelligent Application Optimizers for popular applications

Net-Gateway mIAG SSL VPN Series

Product Datasheet: mIAG 2200i

- Easy Windows MMC based Manageability
- Logging, Reporting and Alerting
- Centralized Appliance System Management thru nAppliance ONEface™ Web Manager
- LCD based Appliance Configuration thru nAppliance LCD Manager
- Field Backup, Restore and "Bare-Metal" Recovery thru nAppliance FFRS™ System
- Superior Future-Proof Product built on Microsoft Forefront Edge Technology.
- Support option includes Advance Hardware Replacement and Multiple Levels of Help Desk Support.
- Lowest Total Cost of Ownership

Appliance Performance:

- Deployment Type: ⇒ Large Size Business
- Concurrent Users (Low Activity Usage, < 5 Apps): ⇒ 5,000
- Concurrent Users (Medium Activity Usage, 5-10 Apps): ⇒ 3,000
- Concurrent Users (High Activity Usage, 11-20 Apps): ⇒ 1,200
- Concurrent Users (Power Usage, 20+ Apps): ⇒ 700
- Recommended Named Corporate Users (1:2): ⇒ 10,000
- Burst Mode - Concurrent New User Login/Minute: ⇒ 200
- Burst Mode - Concurrent New User Login <3 Minutes: ⇒ 500
- SSL/IPSec Accelerator Rating (TPS): ⇒ 17,000 (max)
- SSL/IPSec Rating Accelerator (Throughput): ⇒ 2.5Gbps (max)
- UAG Optimized: ⇒ Yes

Hardware Specifications:

- LAN Ports (PCIe): ⇒ 6-GbE
- CPU: ⇒ 1x Intel Xeon Quad Core
- CPU Processing Cores: ⇒ 4 w/8MB Cache
- System Memory: ⇒ 8 GB DDR2 ECC (earlier models w/4GB)
- SSL/IPSec Hardware Acceleration: ⇒ Yes
- Hard Disks: ⇒ 2 x 300 GB, SAS, 15K, Hotswap (earlier model w/73GB)
- Hard Disk Redundancy: ⇒ Yes, RAID-1 Mirroring
- Flash Disk (Recovery OS): ⇒ Yes
- LCD Interface w/6-Keypad: ⇒ Yes, Graphical
- Remote (Out of Band) Appliance HW Management: ⇒ Yes
- ROM (CD/DVD): ⇒ Yes
- Power Supply: ⇒ Dual 450 Watts. 100-240 AC Auto Sensing
- Power Redundancy: ⇒ Yes, Hotswap
- IO Ports (USB / RS232 / VGA): ⇒ 2 / 1 / 1
- Form Factor: ⇒ 1U, 4-Post Rack (rails incl)
- Dimensions (H x W x D): ⇒ 1.75 x 17 x 25 (inch)

Appliance Integrated Appliance "Turnkey" Solutions

Remote Network Access is a critical business function. Trust nAppliance to deliver reliable and comprehensive solutions. nAppliance is an ISO 9001:2000 certified manufacturer. The nAppliance Net-Gateway mIAG appliances are engineered and manufactured to exacting quality specifications. The mIAG product line is one of a family of integrated network security and application acceleration appliances.



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** (09/21/2009), UAG Enhanced platforms includes additional RAM and larger size hard disks. Models 2100 and above, requires UAG upgrade w/Windows 2008R2 support to utilize memory size larger than 4GB.