nAppliance NETWORKS

Unified Access Gateway Appliance

Unified Remote Access Appliance Platform

The nAppliance nUAG-3500U gateway appliance provides highly scalable, secure remote access to enterprise-wide applications, networks, and internal resources from diverse client endpoints through a single point of entry.

- Custom-built for Large Sized Enterprises
- Supports up to 3,000 Remote Users
- Redundant Hotswap Disks and Power Supply Modules
- Built-in Highly Scalable NLB Array Support
- Powered by Forefront Unified Access Gateway 2010

nUAG-3500U Remote Access Appliance Features

Scalability, High Availability Array and Array Management

High Availability Array Support	Multiple Forefront nUAG appliances can be grouped into a load balancing redundant array using integrated Forefront NLB functionality or an external hardware based load balancer to scale linearly,increasing capacity for throughput and number of users.
Array Management	All array members share the same configuration, including trunks, published application, permission files, custom files, and VPN settings.

nAppliance Hardware System Platform Features

Processor	64-bit Single Processor, Quad Core Xeon x86 processor architecture. High-speed processor, cache, larger memory and multi lane PCIe bandwidth designs for maximized deep packet content inspection acceleration with lowest packet latency, highest system throughput and unfaltering scalability to support large number of processor intensive integrated security applications workload.
Network Ports	8 GbE LANs – High network port density provides the performance and operational flexibility and redundancy required to secure a high-availability network infrastructure, along with economies of scale needed by large companies, enterprise, data centers, and service providers.
Lights-Out Port	Remote Lights-Out-Management (LOM) via dedicated iKVM network Port guarantees uninterrupted Out-Of-Band remote access even when appliance is off.
SSL Accelerator	Embedded high performance Cavium SSL Co-processor hardware for 100% TCP/IP Offload for enhanced system stability and performance at peak loads.
High System Reliability	Maximum uptime through superior thermal design, component-level redundancy, serviceability and built-in remote lights-out appliance management system: • Disk Redundancy: Dual enterprise grade SATA disks and hardware RAID controller for disk mirroring configuration allows uninterrupted system operations in case of a single disk failure. Redundant hot-swap disks offers high availability and no downtime while RAID array is being rebuild on replacement drive. • Power Supply Redundancy: Dual hot-swap, high efficiency power supply modules. • System Image Redundancy and Quick Recovery Option: Efficient In-Field Appliance Image Management: Multiple system image partitions. ARRMS provides PiT image recovery backup/restore, factory reset and bare-metal image recovery

nAppliance Oneface™ Management System Features

Embedded Recovery Manager	Appliance Recovery and Remote Management System (ARRMSTM) provides offline and online remote system management and maintenance to the appliance hardware and software image. • ARRMS operating environment functions completely independently of the main appliance hardware and software environment. The appliance can boot into "maintenance mode" where the administrator has full BIOS-level access to the hardware and software environments, even with the appliance operating system shutdown or the hardware powered off. • 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". Provides one-click appliance reset to Factory-default image
Embedded Web LOM Manager	Remote Lights-Out-Management (LOM) via dedicated iKVM (Keyboard, Video Mouse port access over Web) network Port guarantees uninterrupted Out-Of-Band remote access and manageability for a complete "**As if you were sitting in front of it**" experience.
Embedded LCD Manager	Headless Appliance Deployment System: Appliance systems include touch-key with graphical LCD hardware and software which allows simple appliance installations without connecting keyboard, mouse and video monitors. This greatly simplifies installs, including remote location installs without local IT support.
Integrated Oneface™ System Manager	Provides rich and robust set of feature including Backup Manager, security manager, update manager, configuration manager, SNMP agents, alert notification system and a component manager for 3rd party add-on integration

Performance Specifications

Storage Capacity	: 300GB
Deployment Type (Enterprise)	: Large Size
Recommended Named Users (1:2)	: 10,000
Low Activity Usage: Concurrent Users <5 Applications	: 5,000
Medium Activity Usage: Concurrent Users < 5-10 Applications	: 3,000
High Activity Usage: Concurrent Users < 11-20 Applications	: 1,200
Power Usage: Concurrent Users < 20+ Applications	: 700
Burst Mode: Concurrent New User Login / Minute	: 200
Instant Burst Mode: Concurrent New User Login < 3 Minute	: 500

Hardware Specifications

Processor	Single Processor, Quad Core Xeon
Memory	12 GB
Network Interfaces (RJ45)	8x GbE LAN
System Management Interface (RJ45)	1x iKVM Lights-Out (IPMI) Remote Access
Storage – Data (Redundant)	Dual SATA Disk, Mirroring (RAID-1), Hot swap
Storage - Recovery OS (ARRMS)	2 GB, USB Flash DOM
SSL HW Accelerator	Cavium CN 1600 Series
LCD w/Keypad Display	Graphical w/ 6-Keypad
System IO Ports (VGA/USB/Serial)	1 / 2 / 1
AC Power Supply	• Dual Hotswap Redundant, 650 Watts • 100 to 240 VAC Auto • 47 to 63 Hz, 3A
Physical Dimensions	• Chassis: 19", 4-post rack-mountable • Height: 1.5" (1U), 1 rack unit; Width: 17.5"; Depth: 27" • Weight: 30 lbs.
Storage Temperature	-40°F to 122°F (-40°C to 50°C) 5% to 95% relative humidity, non-condensing
Operating Temperature	35°F to 95°F (1.7°C to 35°C) 5% to 95% relative humidity, non-condensing
Agency Certifications	Safety: UL, FCC, CE, TUV, CB Environmental: WEEE and RoHS
Support and Services	Standard warranty includes 30-day software support with one-year hardware support; upgradable

nAppliance delivers Integrated Appliance "Turnkey" Solutions:

nAppliance Networks, an ISO 9001:2000 is a provider of mission critical network edge security infrastructure provider. Unlike alternatives that are simply based on general-purpose server hardware, our appliances are designed for highest reliability, optimized for maximum performance, and manufactured to exact quality specifications. Trust nAppliance Net-Gateway Forefront appliance series to deliver reliable and comprehensive solutions.

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Microsoft Forefront Threat Management Gateway