Threat Management Gateway Appliance

Integrated Enterprise Security Platform
The nTMGE-1500E is a high performance, next generation "all-in-one" integrated enterprise gateway security appliance. It provides applicationlayer Firewalling, IPS, VPN, application publishing, Web caching, Web and Email protection, and comprehensive branch office manageability.

- Custom-built for Small Sized Enterprise
- Supports up to 500 Connected PCs
- Redundant Hotswap Disks
- Built-in Highly Scalable NLB Array Support

nTMGE-1500E Integrated Enterprise Security Gateway Features

Scalability, High Availability Array and Array Management

High Availability Support	Multiple Forefront nTMGE appliances can be grouped into a load balancing redundant active/active array using integrated Forefront NLB functionality to scale linearly for increased throughput and user capacity
Array Management	• Single Site-Standalone Array, Single Manager can manage up to 50 Forefront TMG appliances • Enterprise-Wide EMS Managed Array, Single Manager can manage up to 200 arrays, each array can hold up to 50 TMG appliances for a total of 1000 Forefront TMG appliance

nAppliance Hardware System Platform Features

Processor	64-bit Single Processor, Dual Core 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	6 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.
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: Single, high efficiency power-supply module. • 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 (ARRMS™) 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". • Factory-default rest and Bare-Metal appliance recovery support
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.
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	: 500GB
Deployment Type (Enterprise)	: Mid Size
Recommended Corporate PCs	: 500
Recommended Corporate Web Users	: 2,500
Firewall Throughput (Mbps)	: 2,000
HTTP Throughput (Mbps)	: 150
VPN Throughput (Mbps)	: 160

Hardware Specifications

Processor	Single Processor, Dual Core
Memory	4 GB
Network Interfaces (RJ45)	6x GbE LAN
System Management Interface (RJ45)	1x iKVM Lights-Out (IPMI) Remote Access
Storage – Data (Redundant)	Dual SATA Disk, Mirroring (RAID-1)
Storage - Recovery OS (ARRMS)	2 GB, USB Flash DOM
SSL HW Accelerator	---
LCD w/Keypad Display	---
System IO Ports (VGA/USB/Serial)	1 / 2 / 1
AC Power Supply	• Single Redundant, 260 Watts • 100 to 240 VAC Auto • 47 to 63 Hz, 3A
Physical Dimensions	• Chassis: 19", 2-post • Height: 1.5" (1U), 1 rack unit; Width: 17.5"; Depth: 14" • 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

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