



Compare Product Specifications

Models: nTMGE (Product Specifications)	1500E & 1500B	2500E & 2500B	3500E & 3500B	5500E & 5500B
Deployment Type (Enterprise)*	Small Branch	Small Enterprise	Large	Very Large
Recommended Connected PC	500	1,000	3,000	4,000
Recommended Corporate Users (Web-Filtering)	2,500	5,000	15,000	20,000
System Performance				
Firewall - Throughput (mbps) Max	2000	2000	2400	2600
HTTP - Throughput (mbps) Max	150	160	200	240
VPN - Throughput (mbps) Max	160	160	200	200
High Availability & Scalability				
NLB Cluster: Microsoft Network Load Balancer for IMG Enterprise Datacenter Deployment	Yes	Yes	Yes	Yes
Clustered Nodes (Max): Active/Active Array - nTMG / E Enterprise Edition (nTMGE)	8 (1500E) Yes	8 (2500E) Yes	8 (3500E) Yes	8 (5500E) Yes
Branch Deployment:				
Clustered Nodes (Max): Active/Active Array - nTMG / B Branch Enterprise Edition (nTMGB)	2 (1500B) Yes, CSS required	2 (2500B) Yes, CSS required	2 (3500B) Yes, CSS required	2 (5500B) Yes, CSS required
ISP Link High Availability				
Load Balancing and Failover (Dual Link Redundancy)	Yes	Yes	Yes	Yes
Web Publishing High Availability				
Load Balancing across server form (incoming)	Yes	Yes	Yes	Yes
Distributed Caching Array Support				
Cache Distribution & Load Balancing in Array	Yes	Yes	Yes	Yes
Hardware Specifications				
Network Ports: LAN PCIe (RJ45)	(7) 6 - GbE (Rear) LAN + 1 - iKVM	(9) 8 - GbE (Rear) LAN + 1 - iKVM	(9) 8 - GbE (Rear) LAN + 1 - iKVM	(9) 8 - GbE (Rear) LAN + 1 - iKVM
Lights Out Remote Management (iLOM)	Yes (KVM over IP & KVM over Web)	Yes (KVM over IP & KVM over Web)	Yes (KVM over IP & KVM over Web)	Yes (KVM over IP & KVM over Web)
Hardware Crypto Accelerator CPU-Off-Load (Cavium)	No	Yes, 64-bit PCIe	Yes, 64-bit PCIe	Yes, 64-bit PCIe
TPS Throughput: SSL	Software Only	17000	17000	17000
CPU-Qty / Core Type	(1) Intel Core-i3	(1) Intel Xeon X3430	(1) Intel Xeon E5520	(2) Intel Xeon E5520
CPU Cores / Cache	2 / 4MB	4 / 8MB	4 / 8MB	4 / 8MB
Memory-RAM	4 GB DDR3 ECC	8 GB DDR3 ECC	12 GB DDR3 ECC	16 GB DDR3 ECC
Hard Disk: System OS	(2) 3.5" Internal	(2) 3.5" Internal	(2) 2.5" Hotswap, Front	(3) 2.5" Hotswap, Front
Disk- Qty / Iype	500 GB, SATA2 Enterprise	500 GB, SATA2 Enterprise	300 GB, SATA2 Enterprise	300 GB, SAS Enterprise
Disk-Mirror Hardware RAID	Yes, SATA2 RAID-1	Yes, SATA2 RAID-1	Yes, SATA2 RAID-1	Yes, SAS RAID-1 (512MB Cache + Battery Backup)
Disk: Spares	No	No	Yes, Optional	Yes, Included
Flash Disk: Appliance Recovery OS				
AHM / F-HIS** : Flash based Field Recovery System	Yes	Yes	Yes	Yes
LCD Interface w/6-Keypad	No	Yes, Graphical	Yes, Graphical	Yes, Graphical
Power Supply Module				
Power: Universal 110-120V	Single	Single	Dual, Hotswap	Dual, Hotswap
Ports (USB / RS232 / VGA)	260 Watts 2 / 1 / 1	260 Watts 2 / 1 / 1	2 x 650 Watts 2 / 1 / 1	2 x 650 Watts 2 / 1 / 1
Form-Factor	1U 2-Post	1U 2-Post	1U Rackmount 4-Post	1U Rackmount 4-Post
Dimensions (H x W x D)-inch	1.75 x 17 x 14 (Short Depth)	1.75 x 17 x 14 (Short Depth)	1.75 x 17 x 27	1.75 x 17 x 27
Appliance Management: Value Add Features by nAppliance				
LCD Console Manager				
Headless Appliance Configuration and Maintenance	Yes	Yes	Yes	Yes
ONEface: Appliance System Manager				
Web-Based Appliance Setup and Management	Yes	Yes	Yes	Yes
Automatic Software Updates (from nAppliance)	Yes	Yes	Yes	Yes
ARRMS** : Embedded Recovery Manager				
Quick Recovery - One Click PIT Online/Offline Image Roll-Back	Yes	Yes	Yes	Yes
Complete Backup / Recovery from Local and Network Drives	Yes	Yes	Yes	Yes
Restore Image to any Last Good Known State	Yes	Yes	Yes	Yes
Quick Factory Restore to Factory Default Image	Yes	Yes	Yes	Yes
Baremetal System Restore and Upgrade	Yes	Yes	Yes	Yes
LOM (Lights Out) Appliance Manager				
IPMI based, BIOS Level Out of band Management	Yes	Yes	Yes	Yes
Lights-Out-Manager: Client-Based, CLI	Yes	Yes	Yes	Yes
Lights-Out-Manager: iKVM over https (Web Based)	Yes	Yes	Yes	Yes
Centralized Multi-Appliance Management Option	Yes	Yes	Yes	Yes
ONEface based Health Monitoring, SNMP Traps	Yes	Yes	Yes	Yes
Forefront Management: Microsoft Built-In Support				
TMG Enterprise Central Array Management Support				
Standalone Array (Supports Single Array)	50 TMG Servers per Array	50 TMG Servers per Array	50 TMG Servers per Array	50 TMG Servers per Array
EMS-Managed (Supports Upto 200 Arrays)	Up to 150,000 TMG Servers	Up to 150,000 TMG Servers	Up to 150,000 TMG Servers	Up to 150,000 TMG Servers
TMG Configuration Storage Server (CSS) Array				
Enterprise Edition (nTMGE)	Yes	Yes	Yes	Yes
Branch Enterprise Edition (nTMGB)	Yes, CSS required	Yes, CSS required	Yes, CSS required	Yes, CSS required
Operational Management				
Automatic Software Updates (from Microsoft)	Yes	Yes	Yes	Yes
SCOM: Microsoft System Center Operation Manager	Yes	Yes	Yes	Yes
Microsoft Licensing Provision & Coverage				
Appliance System Software				
Appliance Windows System Software, Included				
Hardened Microsoft Embedded Operating System				
Microsoft Forefront Edge Security Suite, Included				
nTMGE Models: Forefront TMG Enterprise 2010 Edition	Yes, Single Processor License	Yes, Single Processor License	Yes, Single Processor License	Yes, Two Processor License
nTMGB Models: Forefront TMG Branch 2010 Edition	Yes, Single Processor License	Yes, Single Processor License	Yes, Single Processor License	Two, Single Processor License
Gateway Functionality, Included:				
Firewall, VPN, NIS, Caching, Web Proxy, Publishing, NAT	Yes	Yes	Yes	Yes
VoIP / SIP Filter	Yes	Yes	Yes	Yes
HTTPS Inspection	Yes	Yes	Yes	Yes
E-mail Protection (Requires Exchange License)	Yes	Yes	Yes	Yes
3rd Party Application Compatibility	Yes	Yes	Yes	Yes
Per User CAL Purchase Required	No	No	No	No
Additional Filtering Subscription Services				
Web Anti-Malware Services	Fee, Per User	Fee, Per User	Fee, Per User	Fee, Per User
URL Filtering	Fee, Per User	Fee, Per User	Fee, Per User	Fee, Per User
E-mail Protection for Exchange (Anti-Virus, Anti-Spam etc)	Fee, Per User	Fee, Per User	Fee, Per User	Fee, Per User
nAppliance Warranty: Standard Service and Support				
Standard: Express Replacement, 30 Days	Yes	Yes	Yes	Yes
Standard: Help Desk Support, 30 Days	Yes	Yes	Yes	Yes
Standard: Hardware Depot Repair - 1 Year	Yes	Yes	Yes	Yes
Upgrade: Hardware Express Replacement - Multi-Year	Optional	Optional	Optional	Optional
Upgrade: Help Desk Support - Multi-Year	Optional	Optional	Optional	Optional
Pricing (MSRP) - USA				
nTMGE: Enterprise Edition				
nTMGE / B: Enterprise Branch Edition				
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