

Technical Specifications

Lot: 1

Item #	QTY	Details
1	1	Clustering Firewall

#	Item / Minimum Requirement	Qty	Technical Compliance including manufacturer part number
1	<p>Clustering Firewall</p> <p>General Features:</p> <ul style="list-style-type: none"> • Shall be based on proven security (AV, IPS, DNS, web/content filtering) built around business intent (users, devices and applications) natively integrated • Automated threat intelligence in minutes • Shall support centralized cloud-management • The appliance architecture shall have dedicated CPU for security processing apart from the main central processing units (CPUs). • The appliance shall identify thousands of applications inside network traffic for deep inspection and granular policy enforcement • The appliance shall protect against malware, exploits, and malicious websites in both encrypted and non-encrypted traffic • The appliance shall prevent and detect against known and unknown attacks using continuous threat intelligence backed by dedicated global security services • Full visibility into users, devices, applications across the entire attack surface and consistent security policy enforcement irrespective of asset location • The appliance shall support automatically blocking threats on decrypted traffic using the Industry's standard SSL inspection • The appliance shall support blocking and controlling web access based on user or user groups across URL's and domains • The appliance shall support Block DNS requests against malicious domains 	1	

<ul style="list-style-type: none"> • The appliance shall support Multi-layered advanced protection against zero-day malware threats delivered over the web • The appliance shall support consistent business application performance with accurate detection, dynamic WAN path steering on any best-performing WAN transport • Includes a management console that is effective, simple to use, and provides comprehensive network automation and visibility • The appliance shall support extended security fabric integrating security and management across network switches, wireless access points and end point security • The security appliance should shall provide converged networking and security into a secure, simple to manage architecture with a single focal point for management and configuration for LAN devices such as Network Switches and Wireless Access Points. • The security appliance shall be fully compatible for management with existing centralized security management platform • The security appliance shall be fully compatible with existing firewall for high availability configuration <p>System Performance:</p> <ul style="list-style-type: none"> • Firewall throughput: 25 Gbps • IPS throughput: 5 Gbps • NGFW throughput: 3.5 Gbps • Threat Protection throughput: 3 Gbps • Concurrent Sessions: 3 Million • SSL Inspection Throughput: 4 Gbps • Supported High availability Configuration: Active-Passive, Active-Active, Cluster <p>Ports:</p> <ul style="list-style-type: none"> • 16 x Gigabit Ethernet RJ45 • 08 x Gigabit Ethernet SFP Port • 04 x 10 Gigabit Ethernet SFP+ • Dedicated management and console ports <p>Compliance and Certification</p>		
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<ul style="list-style-type: none"> • Independently tested and validated best security effectiveness and performance • Should have received third-party certifications from NSS Labs • Should be and enterprise grade firewall from a manufacturer listed as Leader in the 2020 or 2021 Gartner Magic Quadrant for Network Firewalls • Should submit relevant Gartner’s magic quadrant report. <p>Required Security and Service Subscriptions</p> <ul style="list-style-type: none"> • 1 Year Security Subscription - Web Filtering, Malware Protection, IPS, Antispam, Antivirus, Botnet, Virus Outbreak Protection, Application Control, Sandbox • 1-Year Support Subscription: 24x7 Support, Hardware Replacement, Firmware Upgrades • 1-Year Technical Support: Local technical support <p>2 Installation and Configuration</p> <ul style="list-style-type: none"> • Hardware installation • Shall design appropriate LAN, WAN, and DMZ security policies. • Shall configure application control policies • Shall configure AV and Web filtering policies • Shall configure antispam filtering • Shall configure IPS policies • Shall configure traffic shaping and ISP WAN load balancing • Shall configure network segmentation and configure appropriate security policy per segment • Shall Configure remote access connectivity policies • Shall Configure management • Shall Configure centralized log analytics and standard security reporting • Shall provide on the job training on basic management, operation and maintenance. • Shall do comprehensive testing and a detailed documentation on the configuration and settings of the delivered solution should be provided. 	<p>1</p>	
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