

Perimeter Gateway Security Device		
	<b>OEM &amp; Model/Part Number:</b>	
Parameter	Requirement	
<b>Interfaces</b>	Minimum: Qty (10) 1 Gigabit Copper/Fiber	
	Minimum: Qty (4) 10 Gigabit SFP+	
	Minimum Management: Qty (1) 100/1000 Copper	
	Minimum Console: Qty (1)	
<b>Power</b>	Redundant power supplies	
	Follows NEMA standards	
<b>Performance</b>	Minimum Throughput (Multi-protocol): 20 Gbps Full-Duplex	
	Minimum Concurrent Sessions: 3,000,000	
	Minimum Number of Supported VLANs: 1,024	
	Minimum Number of Supported Access Control Entries (ACEs): 250,000 (per context)	
	Minimum Virtual Instances: 100	
<b>Required Features</b>	High Availability: A/P, A/A	
	Routing: Static, OSPFv3	
	IPv4/IPv6	
	802.1q	
	Link Aggregation	
	Auto-duplex interface capabilities	
	Layer 2 Transparent, Layer 3 Routed, Virtualized Layer 2, Virtualized Layer 3 Modes	
	Low impact chassis cluster upgrades	
	Configuration synchronization	
	Session synchronization for firewall	
	Device failure detection	
	Link and upstream failure detection	
	Dual control links (session + state)	
	Active-Standby stateful failover	
	Active-Active stateful failover support in multiple context mode; Session failover for routing change	
	Scalability: Cluster or Load Balancing	
	Network Address Translation (NAT)	
	Port Address Translation (PAT)	
	Syslog	
	ACL Logging (Buffered and Remote)	
	Resource management controls resource usage per security context	
	Dynamic port allocation	
	Protocol state tracking	
	<b>Management</b>	SSHv2 to CLI
		Web GUI-based single device manager (HTTPS)
SNMP v2c MIBs and traps, SNMPv3		
Authentication, authorization, and accounting (AAA): RADIUS support		
Role-based administrative access		
Online upgrade		
Support for two-factor authentication		

Mid-Range Internal Security Device	
	<b>OEM &amp; Model/Part Number:</b>
Parameter	Requirement
<b>Interfaces</b>	Minimum: Qty (6) 1 Gigabit Copper/Fiber
	Minimum: Qty (2) 10 Gigabit SFP+
	Minimum Management: Qty (1) 100/1000 Copper
	Minimum Console: Qty (1)
<b>Power</b>	Redundant power supplies
	Follows NEMA standards
<b>Performance</b>	Minimum Throughput (Multi-protocol): 20 Gbps Full-Duplex
	Minimum Concurrent Sessions: 3,000,000
	Minimum Number of Supported VLANs: 1,024
	Minimum Number of Supported Access Control Entries (ACEs): 125,000 (per context)
	Minimum Virtual Instances: 20
<b>Required Features</b>	High Availability: A/P, A/A
	Routing: Static, OSPFv3
	IPv4/IPv6
	802.1q
	Link Aggregation
	Auto-duplex interface capabilities
	Layer 2 Transparent, Layer 3 Routed, Virtualized Layer 2, Virtualized Layer 3 Modes
	Low impact chassis cluster upgrades
	Configuration synchronization
	Session synchronization for firewall
	Device failure detection
	Link and upstream failure detection
	Dual control links (session + state)
	Active-Standby stateful failover
	Active-Active stateful failover support in multiple context mode; Session failover for routing change
	Scalability: Cluster or Load Balancing
	Network Address Translation (NAT)
	Port Address Translation (PAT)
	Syslog
	ACL Logging (Buffered and Remote)
	Resource management controls resource usage per security context
	Dynamic port allocation
	Protocol state tracking
	<b>Management</b>
Web GUI-based single device manager (HTTPS)	
SNMP v2c MIBs and traps, SNMPv3	
Authentication, authorization, and accounting (AAA): RADIUS support	
Role-based administrative access	
Online upgrade	
Support for two-factor authentication	

Service Security Device	
	<b>OEM &amp; Model/Part Number:</b>
Parameter	Requirement
<b>Interfaces</b>	Minimum: Qty (2) 1 Gigabit Copper/Fiber
	Minimum: Qty (0) 10 Gigabit SFP+
	Minimum Management: Qty (1) 100/1000 Copper
	Minimum Console: Qty (1)
<b>Power</b>	Single power supply
	Follows NEMA standards
<b>Performance</b>	Minimum Throughput (Multi-protocol): 10 Gbps Full-Duplex
	Minimum Concurrent Sessions: 1,000,000
	Minimum Number of Supported VLANs: 1,024
	Minimum Number of Supported Access Control Entries (ACEs): 50,000 (per context)
	Minimum Virtual Instances: 5
<b>Required Features</b>	High Availability: A/P, A/A
	Routing: Static, OSPFv3
	IPv4/IPv6
	802.1q
	Link Aggregation
	Auto-duplex interface capabilities
	Layer 2 Transparent, Layer 3 Routed, Virtualized Layer 2, Virtualized Layer 3 Modes
	Low impact chassis cluster upgrades
	Configuration synchronization
	Session synchronization for firewall
	Device failure detection
	Link and upstream failure detection
	Dual control links (session + state)
	Active-Standby stateful failover
	Active-Active stateful failover support in multiple context mode; Session failover for routing change
	Scalability: Cluster or Load Balancing
	Network Address Translation (NAT)
	Port Address Translation (PAT)
	Syslog
	ACL Logging (Buffered and Remote)
	Resource management controls resource usage per security context
	Dynamic port allocation
	Protocol state tracking
VoIP Aware, SIP, SCCP	
<b>Management</b>	SSHv2 to CLI
	Web GUI-based single device manager (HTTPS)
	SNMP v2c MIBs and traps, SNMPv3
	Authentication, authorization, and accounting (AAA): RADIUS support
	Role-based administrative access
	Online upgrade
Support for two-factor authentication	