Haltdos Remote Access Gateway Techspecs

Base Models	HD-RAG-1100	HD-RAG-4100	HD-RAG-4600	HD-RAG-5100	HD-RAG-5400	HD-RAG-6200
MITIGATION PERFORMANCE						
L4 Throughput	upto 1 Gbps	upto 5 Gbps	upto 24 Gbps	upto 48 Gbps	upto 72 Gbps	upto 120 Gbps
L7 Throughput	upto 1 Gbps	upto 4 Gbps	upto 20 Gbps	upto 40 Gbps	upto 60 Gbps	upto 100 Gbps
SSL Throughput	1 Gbps	4 Gbps	20 Gbps	40 Gbps	50 Gbps	100 Gbps
Compression Throughput	1 Gbps	4 Gbps	20 Gbps	48 Gbps	48 Gbps	96 Gbps
Decompression Throughput	1 Gbps	5 Gbps	20 Gbps	60 Gbps	60 Gbps	120 Gbps
SSL/TLS Connections per Second	10K (RSA 2K) 5K (ECC)	22K (RSA 2K) 15K (ECC)	40K (RSA 2K) 25K (ECC)	95K (RSA 2K) 48K (ECC)	95K (RSA 2K) 48K (ECC)	190K (RSA 2K) 96K (ECC)
Max Concurrent Connections	7 M	16 M	24 M	56 M	96 M	160 M
HARDWARE SPECS						
Processor	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon
CPU Cores	8	8	20	32	40	64
Memory	12 GB	16 GB	32 GB	64 GB	128 GB	256 GB
Hard Disk	128 GB SSD	256 GB SSD	256 GB SSD	512 GB SSD	1 TB SSD	2 TB SSD
	Option available for RAID or dual partition					
Additional Specs	Built-in TPM Chip and Hardware HSM for SSL offloading & compression optimization Option available for FIPS-140-2 (additional charge) or Non-FIPS compliant HSM					
Form Factor	1U/2U Rack Mount Server (19 inch mounting) with panel indicators					
Power Supply	Redundant Power Supply (Hot Swappable) AC 170-240V, 50 Hz					
Operating Temperature	0° – 40° C					
Humidity	8% - 95% (non-condensing)					
	Hard Disk and Memory can be customized over the base model					
INSPECTION PORTS						
1 GE Ports	4	8	8	-	-	-
10 GE Ports	-	2	2	4	8	8
25 GE Ports	-	-	-	-	-	-
40 GE Ports	-	-	-	2	2	4
100 GE Ports	-	-	-	-	-	-
	No. of ports can be customized over the base model					
OUT OF BAND PORTS						
1 GE (RJ-45) Ports	2	2	2	2	2	2
Console (RS232/RJ45) Ports	1	1	1	1	1	1
HA Ports (RJ-45/SFP/SFP+)	1	1	1	1	1	1
TECHNOLOGY, CERTIFICATION & SUPPORT						
Platform	Haltdos Platform – hdPlatform (EAL 2+ Certified)					
License	Unlimited users. Bandwidth capping on provided license. Upgrade possible without hardware replacement upto max supported bandwidth on hardware. Concurrent users capping based on bandwidth utilization as per license.					
Certification	FCC, ROHS, CE compliant, Common Criteria EAL 2+					
Support	24x7 Support with dedicated Account Manager					
Warranty	1 year software and hardware maintenance. Additional changes for extended warranty					
TAC Support	TAC support in India					
HIGH AVAILABILITY						
Multiple Appliances	N + 1 Active - Active or Active – Passive (VRRP)					
Management Modes	Standalone / Centralized Management (VM or appliance) with Haltdos Hawk					
Secure Communication	Secure communication between centralized management and HA appliances for state synchronization					
INTEGRATION FEATURES						
Storage and Export	Local retention of logs, reports and events. Support for export to 3rd party storage					
NIMS Integration	Support for SNMP, NTP / SNTP, DNS, Web Proxy integration					
Notification Integration	Notification & Logging via SNMP, SMTP, SMS Gateway and 3rd party integration via API hooks					
SIEM Integration	Support for integration with SIEM and Syslog services					
AAA Integration	Support for integration via RADIUS and TACACS+					
Identity Management	Inbuilt with support for integration with AD / SAML / LDAP					
MANAGEMENT FEATURES						
Graphical User Interface (GUI)	Secure web interface over HTTPs with support for all modern browsers					
Command Line Interface (CLI)	Command Line Interface over SSH or console port					
API Integration	Yes (XML or JSON) via SDK					
Logging	Centralized logging of system, services, MIS, incidents					
Dashboards	Real-Time & historical dashboards with custom duration. Support for custom dashboards					
System Status Dashboard	Status dashboard for 1-click health check					
Reporting	Periodic daily, weekly or monthly reports in PDF or Excel					
RBAC Administration	Configurable user profiles with role based access control					
Backup	Automatic or manual backup and restore					
Policy Management	On the fly configuration updates on mitigation appliances					
Certificate Management	SSL certificate management with support for Let's Encrypt certificate generation					
Events / Alerts	Detailed event and alert reporting on attack, health, etc.					
Updates	Update and upgrade management on version releases and patch updates from Haltdos					
VPN FEATURES						
HTTP Protocols	HTTP 0.9/1.0/1.1/2.0 with translation					
SSL/TLS Management	Support for SSL v2/v3, TLS 1.0/1.1/1.2/1.3 offloading (and re-encryption) with custom cipher suites. Client certificate based authentication also supported, proxy SSL/TLS connections					
Dynamic Routing Protocols	BGP, OSFP, RIP v1, RIP v2					
Networking	Support for VLAN, Link Aggregation & Trunking (LACP)					
Client Support	Support for Windows, Linux, Mobile Apps (Android or iOS), Web (Java Applet)					
Authentication	Password, SAML / AD / LDAP / SSO, AAA, OAuth, MDM parameters (CPU, HDD, MAC, etc), 3rd Party (via Webhooks)					
NAT & Routing	Support for client, server or full NAT, static routing for IPv4 & IPv6					
User Grouping	Support for creating multiple users, user groups with fine grained access to different part of network and/or services					
Dual Stack Lite	Support for NAT 46 / 64 and DNS 46 / 64 with DNS Proxy					

Version: v6.2