

HALTDOS FALCON TECHSPECS

Section Process Section Process Section Sect	Base Models	HD-FAL-4120	HD-FAL-4620	HD-FAL-5120	HD-FAL-5420	HD-FAL-6220
Display	MITIGATION PERFORMANCE	Lunto 4 China	unto 24 Chro	unto 49 Chao	unto 64 Clans	unto 120 Chao
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System Management	IPMI 2.0 Compliant		
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		
Events / Alerts	Detailed event and alert reporting on attack, health, etc.		
Network Forensic	Network forensic and packet capture capability for traffic examination and diagnosis		
Attack Forensic	Built-in utilities for investigating attackers, attack payloads and identifying false positives		
Haltdos Threat Stream	Periodic threat intel updates (Signatures, Geo IP, Bad IP, TOR IP, Anon Proxy, etc.) from Haltdos		
Updates	Update and upgrade management on version releases and patch updates from Haltdos		
DDOS MITIGATION FEATURES			
Comprehensive Protection	Layer 3 to Layer 7 protection covering Network, Protocol, Application, Reflection / Amplification and 0-day DDoS attacks		
Bi-directional	Support for both inbound and outbound traffic protection		
Deep Packet Inspection	Protection against malformed packets (TCP, UDP, ICMP, Ping of death, DNS, HTTP, SIP, SNMP, IPv4, IPv6, Fragmented packets, el		
Enforce RFC Compliance	Protection against misbehaving clients sending invalid or out of state packets		
Bot Protection	Automatic detection and blocking of bot traffic with support for manual bot policy		
Behaviour Analysis	Network behaviour analysis for anomaly detection and packet scoring technology		
Multiple Security Profiles	Support for multiple security profiles for enforcing different policy for different sub-networks (Src, Dst IP Prefix, VLAN)		
Rate Limit & QoS Management	Rate limit capability for bandwidth and QoS management		
Blacklist / Whitelist	Support for temporary or permanent Blacklisting and Whitelisting based on IP, IP prefix, domain, country, etc		
Malicious Source Protection	Protection against TOR IP, Bad Reputation IP / domain, dark IP, malicious Bots, proxies, resolvers, etc		
Custom Signatures	Support for user defined custom rules with support for REGEX and byte matching		
SYN Flood Protection	TCP SYN flood protection with SYN Proxy and connection aging		
Challenge & Response	Support for TCP, HTTP, DNS challenge and response for validation of traffic from suspicious sources		
Connection Based Protection	Protection against TCP connection DDoS attacks such as sockstress, connection / src, zombie flood, SSL renegotiations, etc		
DNS Protection	Built-in DNS firewall capability for protecting DNS infrastructure against DNS DDoS attacks (Water Torture, NXDomain, etc.)		
L7 DDoS Protection	Protection against low & slow attacks such as Slowloris, R.U.D.Y., slow HTTP GET / POST, etc		
Machine Learning Protection	Automatic learning counter measures and dynamic signature creation upon attack detection		
Signatures for Known Vulnerabilities	Built-in rules for known vulnerabilities (server, web, mail, FTP, SIP, SQL, DNS, IPS Signatures, etc.)		
LLB FEATURES (ADDITIONAL LICENSING	G)		
NAT Rules	Support for static NAT, dynamic NAT, SNAT, DNAT, PAT, Full NAT		
Health Monitoring	Link monitoring with instant failover (<1s). Support for TCP, HTTP, DNS, ICMP or script based monitoring		
Routing Rules	Custom rules for Static and Policy based routing		
Dual Stack Lite	Support for NAT 46 / 64 and DNS 46 / 64 with DNS Proxy		
Traffic Shaping	Traffic shaping and QoS on inbound and outbound links		
GSLB FEATURES (ADDITIONAL LICENSI	,		
Global Load Balancing	Routing traffic across multiple data centers based on health checks		
Local Load Balancing	Outbound WAN link selection based on link health		
Operation Mode	Option for Authoritative or Recursive operational modes		
Routing Rules	Custom rules for Static and Policy based routing		
Network Mode	Support DNS over HTTP, UDP, TCP & SSL as well as DNSSEC		
DNS Firewall	Protecting DNS infrastructure from bot attacks		

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