Clavister NetShield

CLAVISTER
CONNECT . PROTECT

- High-performance Service-Based Firewall for data center protection up to 80 Gbps

- Integrated BGP router, replacing expensive extra router equipment

- SSL inspection allowing Intrusion Detection and **Prevention System (IDS / IPS) for server traffic**

- Swedish Innovation - #NoBackDoors

NetShield 6000 Series

High performance firewall

Introducing Clavister NetShield 6000, the Service-Based Firewall delivering Secure protection for data center perimeter and solving distributed architectures for critical infrastructure networks with carrier grade requirements. The product provides an Intrusion Detection and Prevention System with high throughput at a competitive price point. In addition to the eight (8) built in copper gigabit ports and two (2) built in SFP+ 1 GbE ports, up to two interface modules with the choice of 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 4 x 10GbE (SFP+), 4 x 10GbE (SFP+) incl IPsec Acceleration and 2x 40GbE (QSFP) can be added.

The NetShield 6000 does not only include all data center perimeter firewall features expected, it also handles routing using both BGP and OSPF protocols, obsoleting the use of expensive routers for high availability setups and enabling direct connectivity to multiple peering partners.

High performance firewall

Network and Server Attack Protection
Integrated Intrusion Detection/Prevention System (IDS/IPS) scanning traffic in real time to search for known malware. Smart IPS Scan Depth Control functionality enables scanning performance over 11 Gbps.

Secure Server Protection
Server SSL traffic decryption for full inspection of inbound traffic. Traffic forwarded to web server can be sent unencrypted, saving resources on web server farms.

Control Signalling Validation
Stateful inspection and gateway function for specific signalling protocols including DNS, SIP, GTP and SCTP, providing protection from malformed packets and overload situations.

Carrier Grade NAT
High performance IPv4 – IPv6, IPv4 - IPv4, IPv6 - IPv4 network address translation where IP addresses from the external pool can either be allocated in a fixed, stateful or stateless fashion.

Resilient Interconnect Connectivity
Functioning as an edge router with Border Gateway Routing (BGP) enabling connectivity to multiple peering partners simultaneously. This secures uptime and business continuity with high availability and automated failover routing.

Active Traffic Optimisation
Patent pending traffic shaping algorithms that help with prioritisation of traffic flows and secure preferred use of resources.

Performance and Capacity	NetShield 6200	NetShield 6600
SKU	NS-6200	NS-6600
Firewall Performance (plaintext throughput)	20 Gbps	80 Gbps
IPsec VPN Performance (large packets) *	10 Gbps	30 Gbps
Maximum Concurrent Connections	5 000 000	20 000 000
Maximum number of IPsec	5 000	5 000
Ethernet Interfaces	8 x 1GbE (RJ45), 2x 10 GbE (SFP+)	
Expansion Slot	Two (2) slots, supports: 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 2 x 40GbE (QSFP+) or 4 x 10GbE (SFP+) incl. IPsec Acceleration	
Form factor/Rack mountable	1U 19" rack mount /Yes	
Power Supply	Dual redundant power supply, either 100-240VAC, 50-60 Hz or 48VDC	
Dimensions (height x width x depth)	44 mm x 438 mm x 508 mm (1.73 in x 17.24 in x 20.00 in)	

* Requiries optional CM-SEC144 Module – 4x10GbE (SFP+) incl. IPsec Acceleration.