



Clavister
NetShield

CLAVISTER[®]
CONNECT • PROTECT



- High-performance firewall for OpCo License
- Full flexibility, combine physical firewalls with virtual instances
- Powerfull IPsec performance for edge and backhaul communication
- Swedish Innovation - #NoBackDoors

NetShield 9000T Series

High performance firewall

Clavister NetShield 9000T is a Carrier Grade high performance firewall that protects the perimeter of the telco core independent of generation or use case (Internet, Backhaul, Roaming, O&M). By making sure that specific interfaces have the right protection applied, business continuity is guaranteed. Features such as CG-NAT, high performance IPsec and TLS, SCTP and GTP Inspection, BGP/OSPF, IDP/IPS, DoS protection, Route failover and generic firewalling gives the operator the toolbox needed to mitigate potential threats with centralized management.

In addition to the two (2) built in copper gigabit ports, up to eight (8) interface modules with the choice of 2 x 100GbE (QSFP28) can be added.

The NetShield 9000T 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 9000T for OpCo License
SKU	NS-9000OPCO
Firewall Performance (plaintext throughput)	400 Gbps*
IPsec VPN Performance (large packets) **	50 Gbps*
Maximum Concurrent Connections	100 000 000
Maximum number of IPsec	100 000
Ethernet Interfaces	2 x 1GbE (RJ45)
Expansion Slot	Eight (8) slots, supports: 100 GbE (QSFP28+)
Form factor/Rack mountable	2U 19" rack mount / Yes
Power Supply	Dual redundant power supply, either 100-240VAC, 50-60 Hz or 48VDC
Dimensions (height x width x depth)	443mm x 600mm x 88mm (17.72 in x 24 in x 3.52 in)

** RFC 2544, max allowed performance depends on OpCo License.



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