

CLAVISTER®

We are Network Security

Appliances Portfolio

January 2016

Portfolio Overview

Hardware



Eagle Series

Remote & Branch Offices



Lynx Series

Industrial Applications



Wolf Series

Enterprises & Data Center



PolarBear Series

Telecom & Carrier-Grade

Software



Virtual Series

Virtual & Cloud Environments



cOS

Clavister Network
Security OS



InControl

Centralized Management



App for Clavister

Log & Reporting Tool

Hardware Appliance Overview

Entry-Level



Clavister E20



Clavister E80

Mid-Range



Clavister W20



Clavister W30



Clavister X8



Clavister W3

High-End



Clavister W50



Clavister P80

Entry-Level



Clavister E20

Cost effective desktop for remote and branch-offices

1-2 Gbps Firewalling
2xGbE + 4GbE Switch

Entry-Level



Clavister E80

Powerful desktop for branch and regional offices

2-4 Gbps Firewalling
6xGbE Ethernet

Mid-Size



Clavister W20

Entry-level 19", 1U for larger branch and regional offices

4-6 Gbps Firewalling
6xGbE Ethernet

Mid-Size



Clavister W30

Flexible appliance for large regional offices

6-10 Gbps Firewalling
6xGbE + 1 Eth.Exp. Slot

High-End



Clavister W50

High-end appliances for enterprises, xPS's and datacenters

25-55 Gbps Firewalling
1xGbE + 4 Eth.Exp. Slots

Carrier / Telecom



Clavister P80

Unified Telecom Security Appliance for Carriers / MDOs

120 Gbps Firewalling
40 Gbps IPSec VPN
8xGbE + 8 Exp. Slots

Virtual cOS Core Series

Virtual License Models



Core

Clavister V2
300 Mbps



Core

Clavister V3
1 Gbps



Core

Clavister V5
2 Gbps



Core

Clavister V7
3 Gbps



Core

Clavister V9
6 Gbps



Core

Clavister V10
10 Gbps

Hypervisors



vmware



KVM

NEW

Orchestrators / Cloud Software Platforms




openstack
CLOUD SOFTWARE

NEW

Virtual cOS Stream Series


Virtual License Models



Stream

Clavister VS3


5 Gbps



Stream

Clavister VS5


10 Gbps



Stream

Clavister VS7

20 Gbps

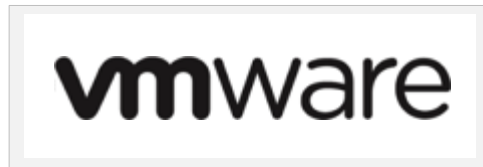


Stream

Clavister VS9

40 Gbps

Hypervisors



Orchestrators / Cloud Software Platforms



CLAVISTER®

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The Clavister E20

“2 Gbps Firewall Performance, small form-factor, cost-effective and versatile feature-set makes the E20 ideal as a CPE device for Service Providers”

John Vestberg, CTO and Founder, Clavister



Overview

The Clavister E20 is our new desktop appliances platform optimized for cOS Core. Managing 2 Gbps Firewall Performance in a small form factor desktop appliances makes the E20 a perfect replacement for the Clavister E5.

With full UTM & NGFW Feature-set the Clavister E20 is ideal as CPE for Service Providers.

Platform Specifications

- Desktop Appliance
- 2xGbE + 4x1GbE Switch

Performance Specs

Firewall throughput:
VPN Throughput:
VPN Tunnels:
Concurrent
Connections:

E20

1 Gbps
50 Mbps
10
8,000

E20P

2 Gbps
100 Mbps
25
16,000

The Clavister E80

“2 to 4 Gbps Firewall Performance, small form-factor, cost-effective and versatile feature-set makes the E80 ideal as a CPE device for Service Providers”

John Vestberg, CTO and Founder, Clavister



Overview

The Clavister E80 is our new desktop appliances platform optimized for cOS Core. Managing 4 Gbps Firewall Performance in a small form factor desktop appliances makes the E80 a perfect replacement for the Clavister E7.

With full UTM & NGFW Feature-set the Clavister E80 is ideal as CPE for Service Providers.

Platform Specifications

- Desktop Appliance
- 6x 1GbE (RJ45)
- Competitive UTM & NFW Performance

Performance Specs

Firewall throughput:
VPN Throughput:
VPN Tunnels:
Concurrent
Connections:

E80

2 Gbps
500 Mbps
250
250 000

E80P

4 Gbps
1000 Mbps
500
500 000

The Clavister W20



Overview

The Clavister W20 is our new 1U rack-mounted appliances platform optimized for cOS Core. Managing 6 Gbps Firewall Performance and 1.5 Gbps VPN Performance.

With full UTM & NGFW Feature-set and Extreme VPN performance the Clavister W20 is ideal as central Firewall in medium sized companies

Platform Specifications

- Entry-Level 19", 1U Platform
- 6 x 1GbE Ethernet Interfaces
- 3-6 Gbps Firewall Performance
- Cost-effective

Performance Specs

Firewall Throughput:
VPN Throughput:
VPN Tunnels:
Concurrent
Connections:

W20

3 Gbps
1000 Mbps
500
500 000

W20P

6 Gbps
1500 Mbps
1000
750 000

The Clavister W30 - Details

“10 Gbps Firewall Performance, 2 Gbps VPN Performance, a flexible module slots, all at an attractive price point makes the the W30 and ideal product for growing companies”

John Vestberg, CTO and Founder, Clavister

Overview

The Clavister W30 is a high performance platform with a very competitive price-point and attractive TCO.

The combination of price, performance, features and flexibility makes the W30 ideal for growing companies that needs their security product to scale with growing business needs and requirements..



8xGbE (RJ45)



8xSFP



2xSFP+



4xSFP+

Platform Specifications

- 1U, 19" Rack-mountable
- 6xGbE (RJ45) Interfaces
- One (1) module slot

Performance Specs

Firewall throughput:
VPN Throughput:
VPN Tunnels:
Concurrent Connections:

W30

6 Gbps
1.5 Gbps
1.000
750,000

W30P

10 Gbps
2 Gbps
2.000
1,000,000

The Clavister W50 - Details

“55 Gbps Firewall Performance, 8 Gbps VPN Performance and four (4) module slots makes the Clavister W50 our most powerful product yet”

John Vestberg, CTO and Founder, Clavister

Overview

The Clavister W50 is a high performance platform optimized for cOS Core. The close integration between software and the latest technologies from Intel enables best-in-class capacity and scalability.

With four (4) module slots, scalable performance and hot-swappable power supplies it is the ideal platform for high-end datacenters and service providers.



8xGbE (RJ45)



8xSFP



2xSFP+



4xSFP+

Platform Specifications

- 1U, 19" Rack-mountable
- Four (4) module slots
- Redundant cooling fans
- Redundant, Hot swap PSUs

Performance Specs

Firewall throughput:
 VPN Throughput:
 VPN Tunnels:
 Concurrent Connections:

W50

25 Gbps
 4 Gbps
 5.000
 4,000,000

W50P

55 Gbps
 8 Gbps
 10.000
 8,000,000

The Clavister P80 - Details

**“120 Gbps Firewall Performance,
40 Gbps VPN Performance and six (6)
module slots makes the Clavister P80 ideal
for carriers and MDO’s”**

John Vestberg, CTO and Founder, Clavister

Overview

The Clavister P80 is custom made to fit the needs of our most demanding Telecom customers for whom only the best is good enough.

This turn-key appliance is optimized to ensure maximum performance and security for the telecom solutions we are offering, including LTE Backhaul Security, Mobile Data Offloading and GRX Security.



Crypto Accelerator



4xSFP+

Platform Specifications

- 2U, 19" Rack-mountable
- Six (6) module slots
- Redundant, Hot swap PSUs
- 99,999% Availability

Performance Specs

	P80
Firewall throughput:	120 Gbps
VPN Throughput:	40 Gbps
VPN Tunnels:	50,000
Concurrent Connections:	30,000,000

Clavister Virtual Core Series

- ✓ Minimal footprint – Resource Efficient
- ✓ Complete and versatile feature-set
- ✓ Elastic and Scalable Licensing Options



	V2	V3	V5	V7	V9	V10
Firewall Performance (Gbps)	0.300	1	2	3	6	10
VPN Performance (Gbps)	0.150	0.5	1	2	3	5
Concurrent Connections	16.000	64.000	128.000	256.000	512.000	2.000.000
Concurrent VPN Tunnels (SSL/IPsec)	25	500	1.000	1.500	3.000	5.000
Ethernet Interfaces	3	4	6	8	10	10
Virtual Interfaces (VLAN) / Routers	8 / 5	32 / 25	256 / 50	512 / 100	1.024 / 200	2.048 / 1.000
High Availability Clusters	No	Yes	Yes	Yes	Yes	Yes
Hypervisors:	VMWARE, KVM					

Clavister Virtual Stream Series

- ✓ Extreme Performance
- ✓ Elastic and Scalable Licensing Options
- ✓ Intel SR-IOV Support



	VS3	VS5	VS7	VS9
Firewall Performance (Gbps)	5	10	20	40
VPN Performance (Gbps)	2.5	5	10	20
Concurrent Connections	1.000.000	2.500.000	5.000.000	10.000.000
Concurrent VPN Tunnels (SSL/IPsec)	2.000	3.000	5.000	10.000
Ethernet Interfaces	3	5	7	10
Virtual Interfaces (VLAN) / Routers	256 / 50	512 / 100	1.024 / 200	2.048 / 1.000
High Availability Clusters	Yes	Yes	Yes	Yes
Hypervisors	VMWARE, KVM			