

# Clavister cOS Core Product Comparison

This document details the current line of Clavister products. Use this document to quickly assess the specifications or compare different Clavister products. Detailed information for specific product brochures can be found at [www.clavister.com/products](http://www.clavister.com/products).

	Clavister E20		Clavister E80		Clavister W20		Clavister W30		Clavister W40		Clavister 50	
	E20	E20 Pro	E80	E80 Pro	W20	W20 Pro	W30	W30 Pro	W40	W40 Pro	W50	W50 Pro
<b>Performance</b>												
Firewall Performance (RFC2544)	1 Gbps	2 Gbps	2 Gbps	4 Gbps	4 Gbps	6 Gbps	6 Gbps	10 Gbps	10 Gbps	20 Gbps	25 Gbps	55 Gbps
IPsec VPN Performance	50 Mbps	100 Mbps	0,5 Gbps	1 Gbps	1 Gbps	1,5 Gbps	1,5 Mbps	2 Gbps	2 Gbps	4 Gbps	5 Gbps	8 Gbps
Maximum Concurrent Connections	8,000	16,000	250,000	500,000	500,000	750,000	750,000	1,000,000	1,000,000	2,500,000	5,000,000	8,000,000
Concurrent VPN Tunnels (IPsec)	50	100	100	200	500	1,000	1,000	2,000	2,000	4,000	5,000	10,000
Ethernet Interfaces	2 x 1GbE (RJ45) + 4 x 1GbE (RJ45) switch		6 x 1GbE (RJ45)		6 x 1GbE (RJ45)		6 x 1GbE (RJ45)		9 x 1GbE (RJ45)		1 x 1GbE (RJ45)	
Expansion Slot	No		No		No		One (1) slot, supports: 8 x 1GbE (RJ45 and SFP), 2 or 4 x 10GbE (SFP+)		Two (2) slots, supports: 8 x 1GbE (RJ45 and SFP), 2 or 4 x 10GbE (SFP+)		Four (4) slots, supports: 8 x 1GbE (RJ45 and SFP), 2 or 4 x 10GbE (SFP+)	
Virtual Interfaces VLAN (802.1Q)	4	8	64	128	256	512	1,024	2,048	2,048	4,096	4,096	4,096
Routing Tables (Virtual Routers)	1	1	5	10	25	50	50	100	100	250	250	500
Support for High Availability (HA)**	Optional		Yes		Yes		Yes		Yes		Yes	
<b>Hardware Specifications</b>												
Form Factor / Rack Mountable	Desktop / Yes, rack mount kit included		Desktop / Yes, rack mount kit included		1U 19" rack mountable / Yes		1U 19" rack mountable / Yes		1U 19" rack mountable / Yes		1U 19" rack mountable / Yes	
Height x Width x Depth	44 mm x 280 mm x 180 mm (1.73 in x 11.02 in x 7.09 in)		44 mm x 280 mm x 180 mm (1.73 in x 11.02 in x 7.09 in)		44 mm x 431 mm x 305 mm (1.73 in x 16.97 in x 12.01 in)		44 mm x 431 mm x 305 mm (1.73 in x 16.97 in x 12.01 in)		44 mm x 440 mm x 550 mm (1.73 in x 17.32 in x 21.65 in)		44 mm x 438 mm x 580 mm (1.73 in x 17.24 in x 22.83 in)	
Hardware Weight / Package Weight	1,7 kg (3.75 lb) / 2,6 kg (5.73 lb)		1,7 kg (3.75 lb) / 2,6 kg (5.73 lb)		4 kg (8.82 lb) / 7 kg (15.43 lb)		4 kg (8.82 lb) / 7 kg (15.43 lb)		7,5 kg (16.53 lb) / 16,2 kg (35.71 lb)		10,5 kg (23.15 lb) / 18,6 kg (41.01 lb)	
Regulatory and Safety Standards	CE/ IEC 60950 / FCC class A, CE class A		CE/IEC 60950 / FCC class A, CE class A		UL, CE / FCC class A, CE class A		UL, CE / FCC class A, CE class A		UL, CE / FCC class A, CE class A		UL, CE / FCC class A, CE class A	
Humidity	0% to 95% non-condensing		5% to 95% non-condensing		0% to 95% non-condensing		0% to 90% non-condensing		5% to 90% non-condensing		5% to 90% non-condensing	
Operational Temperature	5° to 40° C (41° to 104° F)		5° to 45° C (41° to 113° F)		5° to 45° C (41° to 113° F)		5° to 45° C (41° to 113° F)		5° to 45° C (41° to 113° F)		0° to 45° C (32° to 113° F)	
Power Supply	100-240VAC, 50-60 Hz		100-240 VAC, 50-60 Hz		100-240VAC, 50-60 Hz		100-240VAC, 50-60 Hz		100-240VAC, 50-60 Hz, hot-swappable		100-240VAC, 50-60 Hz, hot-swappable	
Typical Consumption (W)/BTU	12 W / 41 BTU		12 W / 41 BTU		37 W / 127 BTU		37 W / 127 BTU		230 W/437 BTU		230 W/785 BTU	

\* Performance based on Clavister cOS Core 11.20.

\*\* When using High Availability clusters, the hardware settings for each interface must be identical on both cluster nodes (bus, slot and port).

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## Where to Buy

For information about purchasing Clavister products, please contact your local Clavister Sales Representative or contact Clavister Sales direct at [www.clavister.com/about-us/contact-us](http://www.clavister.com/about-us/contact-us).

	Clavister Virtual Core Series					
	V2	V3	V5	V7	V9	V10
<b>Performance</b>						
Firewall Performance (RFC2544)	300 Mbps	1 Gbps	2 Gbps	3 Gbps	6 Gbps	10 Gbps
IPsec VPN Performance	150 Mbps	500 Mbps	1 Gbps	2 Gbps	3 Gbps	5 Gbps
Maximum Concurrent Connections	16,000	64,000	128,000	250,000	512,000	2,000,000
Concurrent VPN Tunnels (IPsec)	25	500	1,000	1,500	3,000	5,000
Ethernet Interfaces	Up to 3	Up to 4	Up to 6	Up to 8	Up to 10	Up to 10
Expansion Slot	n/a	n/a	n/a	n/a	n/a	n/a
Maximum Users (ARP Entries)	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted
Virtual Interfaces VLAN (802.1Q)	8	32	256	512	1,024	2,048
Routing Tables (Virtual Routers)	5	25	50	100	200	1,000
Support for High Availability (HA)**	No	Yes	Yes	Yes	Yes	Yes
<b>Hypervisor Specifications</b>						
Supported Hypervisors	VMware ESXi, KVM and Microsoft Hyper-V					

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