








Clavister Netwall Hardware Appliances





	Netwall E10		Netwall E20		Netwall E80	
						
Performance and Capacity	E10	E20	E20 Pro	E80	E80 Pro	
Firewall Performance (plaintext throughput)	1 Gbps	1 Gbps	2 Gbps	2 Gbps	4 Gbps	
Maximum Concurrent Connections	16,000	8,000	16,000	250,000	500,000	
IPsec VPN Performance (large packets)	100 Mbps	50 Mbps	100 Mbps	0,5 Gbps	1 Gbps	
Maximum Concurrent IPsec VPN Tunnels (IPsec, L2TP, SSL)	10	10	25	100	200	
Ethernet Interfaces	4 x 1GbE (RJ45)	4 x 1GbE (RJ45) switch block + 2 x 1GbE (RJ45)		6 x 1GbE (RJ45)		
Expansion Slot	No	No		No		

	Netwall W20		Netwall W30		
					
Performance and Capacity	W20	W20 Pro	W30	W30 Pro	
Firewall Performance (plaintext throughput)	4 Gbps	6 Gbps	6 Gbps	10 Gbps	
Maximum Concurrent Connections	500,000	750,000	750,000	1,000,000	
IPsec VPN Performance (large packets)	1 Gbps	1,5 Gbps	1,5 Gbps	2 Gbps	
Maximum Concurrent IPsec VPN Tunnels (IPsec, L2TP, SSL)	500	1,000	1,000	2,000	
Ethernet Interfaces	6 x 1GbE (RJ45)		6 x 1GbE (RJ45)		
Expansion Slot	No		One (1) slot, supports: 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 2 x 10GbE (SFP+) or 4 x 10GbE (SFP+)		

	Netwall W40		Netwall W50		
					
Performance and Capacity	W40	W40 Pro	W50	W50 Pro	
Firewall Performance (plaintext throughput)	10 Gbps	20 Gbps	25 Gbps	55 Gbps	
Maximum Concurrent Connections	1,000,000	2,500,000	5,000,000	8,000,000	
IPsec VPN Performance (large packets)	2 Gbps	4 Gbps	5 Gbps	8 Gbps	
Maximum Concurrent IPsec VPN Tunnels (IPsec, L2TP, SSL)	2,000	4,000	5,000	10,000	
Ethernet Interfaces	9 x 1GbE (RJ45)		1 x 1GbE (RJ45)		
Expansion Slot	Two (2) slots, supports: 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 2 x 10GbE (SFP+) or 4 x 10GbE (SFP+)		Four (4) slots, supports: 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 2 x 10GbE (SFP+) or 4 x 10GbE (SFP+)		

Performance based on latest Clavister cOS Core release. Specifications are subject to change without notice.

Clavister Netwall Hardware Modules & Transceivers

Modules	NET80	NET81	NET120	NET141	
					
Ethernet Interfaces	8 x 1GbE (RJ45)	8 x 1GbE (SFP)	2 x 10GbE (SFP+)	4 x 10GbE (SFP+)	
SFP/SFP+ Transceivers	SFP-1G-TX	SFP-10G-SR	SFP-1G-LX10	SFP-1G-LX40	SFP-1G-LX80
	1000BASE-T, RJ45	10GBASE-SR/SW, 300m, 850nm, multi-mode	1000BASE-LX, 10 km, 1310nm, single-mode	1000BASE-LX, 40 km, 1550nm, single-mode	1000BASE-LX, 80 km, 1550nm, single-mode

Clavister Netwall Virtual Appliances

Clavister Netwall Virtual Appliances	Netwall V2	Netwall V3	Netwall V5	Netwall V7	Netwall V9	Netwall V10
Firewall Performance (plaintext throughput)*	300 Mbps	1 Gbps	2 Gbps	3 Gbps	6 Gbps	10 Gbps
IPsec VPN Performance (large packets)	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
Maximum Concurrent IPsec VPN Tunnels	25	500	1,000	1,500	3,000	5,000
Maximum Concurrent L2TP/PPTP/SSL VPN Tunnels	25	500	1,000	1,500	3,000	5,000
Maximum Number of Users	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted
Maximum Number of Routing Tables (Virtual Routers)	5	25	50	100	200	1,000
Ethernet Interfaces	Up to 3	Up to 4	Up to 6	Up to 8	Up to 10	Up to 10
Link Aggregation IEEE 802.1AX-2008 (Static/LACP)	Yes	Yes	Yes	Yes	Yes	Yes
Maximum Number of VLAN Interfaces IEEE 802.1Q	8	32	256	512	1,024	2,048
Support for High Availability (HA)**	No	Yes	Yes	Yes	Yes	Yes
Service-VLAN Interfaces IEEE 802.1ad (Q-in-Q)	Yes	Yes	Yes	Yes	Yes	Yes
Form Factor				Software		
Supported Virtual Platforms	VMware ESXi, KVM					

* Actual performance may vary depending on network conditions, number of activated services and host hardware capabilities.

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



#NoBackDoors and Third-party Access Restriction

Clavister hereby certifies that Clavister products do not contain any "back-doors", meaning that there are no mechanisms deliberately incorporated that would allow a company or an organization to access or control a Clavister product without prior acceptance from the administrator of the product in question.

John Vestberg, CEO, Clavister

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