

# Clavister Appliances



**CLAVISTER®**

CONNECT . PROTECT

Clavister Hardware Appliances	E10 Series	E20 Series		E80 Series	
					
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	

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

## Clavister Appliances

All Clavister appliances are powered by Clavister cOS Core, our own in-house proprietary network operating system. Clavister cOS Core is developed exclusively in Sweden by Swedish engineers for the global market. It's not a mash-up of different open-source components and it's 100% backdoor-free. Vulnerabilities, such as "heartbleed", "Shellshock/bash", "Ghost" or "FREAK", as well as yet to be discovered open-source bugs, not allowed to enter.

A unified network operating system on all Clavister appliances ensures that there are no functional differences between platforms. Also, there are no user limitations, additional bundles for the use of certain functions or similar restrictions. The various Clavister appliances differ only in terms of hardware and thereby reach maximum performance. Clavister appliances enable you to start small and grow as your needs increase.

## Clavister Services

Clavister customers are offered two types of services: the comprehensive, all-inclusive Clavister Security Subscription (CSS), or the cost-effective Clavister Product Subscription (CPS), which can be upgraded to the CSS at any time. The Clavister Product Subscription (CPS) includes both software services, such as upgrades and maintenance, hardware replacement (in advance, Next-Business-Day) and direct 24/7 vendor support (online, by phone), as well as the central management system Clavister InControl.

Alternatively, the Clavister Security Subscription (CSS) includes all the services included in Clavister Product Subscription with the addition of the full Next-Generation Firewall and Unified Threat Management (UTM) capabilities, with services such as Anti-Virus, Web Content Filtering, Intrusion Detection and Prevention (IDP) and True Application Control.

All other functions are already included in the license and don't have to be bought separately.\*

## Centralized Management with Clavister InControl

Although all Clavister appliances can be managed individually through the included web interface, both Clavister Subscriptions offer a license for using the central management system – the Clavister InControl.

In addition to the audit-proof and role-based management of all Clavister next-generation firewall products in a single interface, the system also provides centralized logging and reporting options without additional costs.

The generated reports can be fully customizable and include graphic representation of the information.



W20 Series	W30 Series	W40 Series	W50 Series
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W20	W20 Pro	W30	W30 Pro	W40	W40 Pro	W50	W50 Pro
4 Gbps	6 Gbps	6 Gbps	10 Gbps	10 Gbps	20 Gbps	25 Gbps	55 Gbps
500,000	750,000	750,000	1,000,000	1,000,000	2,500,000	5,000,000	8,000,000
1 Gbps	1,5 Gbps	1,5 Gbps	2 Gbps	2 Gbps	4 Gbps	5 Gbps	8 Gbps
500	1,000	1,000	2,000	2,000	4,000	5,000	10,000
6 x 1GbE (RJ45)		6 x 1GbE (RJ45)		9 x 1GbE (RJ45)		1 x 1GbE (RJ45)	
No		One (1) slot, supports: 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 2 x 10GbE (SFP+) or 4 x 10GbE (SFP+)		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+)	

Clavister Interface Modules	NET80	NET81	NET120	NET140
				
Ethernet Interfaces	8 x 1GbE (RJ45)	8 x 1GbE (SFP)	2 x 10GbE (SFP+)	4 x 10GbE (SFP+)

## Highlights

### True Application Control

True Application Control provides an effective way to identify and manage how applications are used in the network regardless of port and protocol used. Thanks to sophisticated protocol plug-ins and the unique engines inside Clavister Application Control (AC) and Clavister Deep Application Content Control (DACC) our products recognizes more than 4,700 signatures including more than 2,300 applications and 2,400 meta data tags.

### User Identity Awareness

The User Identity Awareness functionality provides an extremely powerful and versatile tool for highly granular visibility and control of “who-does-what-and-when” in their networks. You’ll have the ability to pinpoint user access to applications across both wired and wireless networks, regardless of connecting device.

### Traffic Management

Clavister cOS delivers a large set of tools to enable you to fine-tune your traffic to suit your network. Among the many key features included are pipe-based, synchronous and asynchronous traffic management; bandwidth limiting and traffic prioritizing; dynamic bandwidth balancing; traffic guarantees and IPsec integration. It’s also possible to use multiple Internet connections, which can be used at the same time and the traffic gets divided among them.

### VPN

Clavister cOS supports a multitude of IPsec and SSL scenarios, depending on which type you’re deploying. Clavister cOS Core includes support for a number of clients, such as PPTP and L2TP. This gives you the right tool to set up LAN-to-LAN connectivity or client connectivity depending on your needs.

### IP reputation

One of the most powerful tools in a robust cyberdefense is a carrier grade IP reputation service, one that stays minute-to-minute alert of the next malicious IP address that threatens your network security. There are four billion IP addresses with most 12 million of them being a known repository of malicious malware and viruses.

# Clavister Features (Summary)

## Content Level Security

Application Control	✓	Web Content Filtering	✓
Intrusion Detection and Prevention (IDP/IPS)	✓	Anti-Spam	✓
Anti-Virus	✓	File Integrity	✓
IP-Reputation	✓	Geo IP	✓

## Network Level Security

Firewalling	✓	High Availability Support* (HA)	✓
User Identity Awareness (UIA)	✓	Multiple WAN Connections	✓
User Authentication	✓	Server Load Balancing	✓
Single-Sign-On-Support	✓	WAN Load Balancing	✓
User-based Rules	✓	Traffic Management	✓
Scheduled Rules	✓	VLAN Support	✓
IPsec VPN	✓	Advanced Routing (Policy-Based, OSPF)	✓
SSL VPN	✓	Transparent and Routing Modes	✓
DoS and DDoS Protection	✓	DHCP Services	✓

## Network Infrastructure

## Management

Centralized Management	✓	24/7 Support	✓
Web Management	✓	Unlimited Trouble-Tickets	✓
Command-Line Interface (CLI)	✓	Hardware Replacement	✓
Advanced Logging and Reporting	✓	Software Subscriptions	✓
Syslog- and Splunk-support	✓	Online License Center	✓

## Support and Maintenance

\* Optional service on Clavister E20.  
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For a complete overview of the features included in the Clavister solutions please visit [www.clavister.com](http://www.clavister.com) or contact your local Clavister Representative directly.

## About Clavister

Clavister (NASDAQ: CLAV) is a leading security provider for fixed, mobile and virtual network environments. Its award-winning solutions give enterprises, cloud service providers and telecoms operators the highest levels of protection against threats, with unmatched reliability. Clavister's performance in the security sector was recognized with the Product Quality Leadership Award from Frost & Sullivan. The company was founded in Sweden in 1997, with its solutions available globally through its network of channel partners. To learn more, visit [www.clavister.com](http://www.clavister.com).

### Your Clavister Partner



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