



# Clavister Security Gateway 10 Series Product Data Sheet

- Stateful Firewall
- Deep Packet Inspection
- Built-in VPN
- Intrusion Detection & Prevention (IDP)
- Web Content Filtering
- Anti-Virus
- Anti-Spam
- SIP/VoIP Support
- Traffic Management
- User Authentication
- Server Load Balancing
- Route Load Balancing
- Scalable Licensing Model

## Introducing Clavister Security Gateway 10 Series

The Clavister Security Gateway 10 Series is a set of turnkey, hardware-based, security products designed for small-medium businesses (SMB) that require excellent price/performance ratio and easy-to-use features, including support for first-class Unified Threat Management (UTM) services. Based on the same award-winning technology found in all Clavister products, the Clavister Security Gateway 10 Series is designed to maximize ease of use and performance at an attractive price point.

All products in the Clavister Security Gateway 10 Series are based on a purpose-built and highly optimized hardware platform, equipped with 2 + 4 10BASE-T/100BASE-TX interfaces in a convenient desktop form factor. The result is a series of powerful, extremely secure and flexible network security gateway products.

In addition to easy-to-use features and high performance, the Clavister SG10 delivers extensive security and networking functionality. The combination of a rich feature set and high performance translates into best-in-class security without compromising performance suitable for any small and medium business.

## Clavister Security Gateway 10 Series Features

Clavister Security Gateway 10 Series is the ideal solution for a small-medium business (SMB) delivering comprehensive network security for up to 50 users and 4 000 concurrent connections. With its state-of-the-art deep packet inspection firewall your network is secure from unauthorized access, and with the optional Unified Threat Management (UTM) services, you can manage access to inappropriate content on the Internet and protect your network from computer viruses, Trojans, worms and other malware. The Clavister SG10 Series even has built-in anti-spam functionality.

For businesses that use Voice over IP (VoIP) there is strong SIP/VoIP protection and the flexible traffic management functionality can be used to improve the quality of service (QoS).

As with all Clavister Security Gateway products, IPsec compliant VPN functionality is available straight out of the box. The Clavister Security Gateway 10 Series includes two concurrent VPN tunnels with 25 Mbps in VPN performance, enabling easy remote connectivity.

The Clavister Security Gateway 10 Series offers a well-balanced feature set for setting up network security and Unified Threat Management (UTM) services for any small-medium business (SMB).

## Management Options

Clavister offers you a wide range of management options to manage your Clavister Security Gateway 10 Series. Regardless if you choose a centralized management solution or use the built-in web-based management solution, all Clavister Security Gateways Series products and services are managed in the same way.

### Clavister InControl

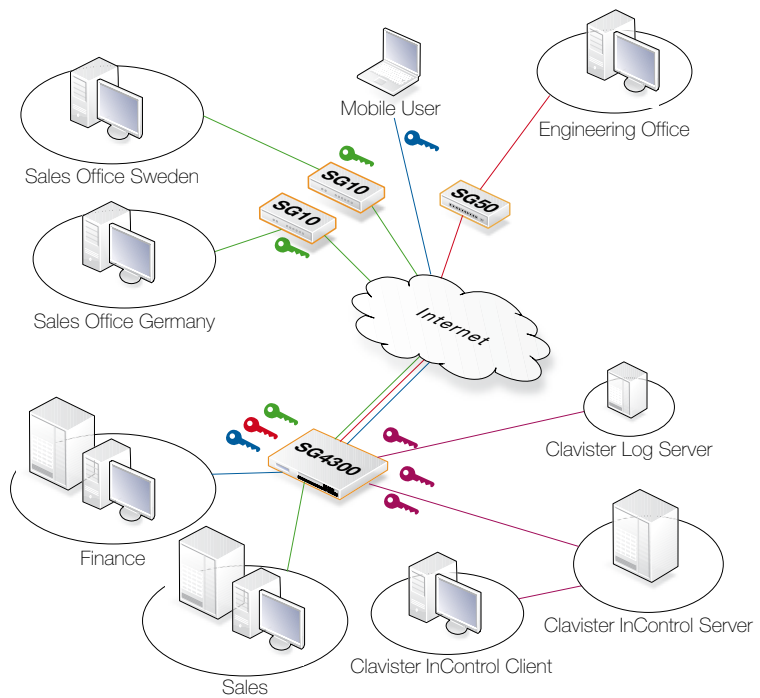
Clavister InControl offers a comprehensive centralized management solution that will assist and help you perform daily tasks faster, easier and more streamlined. Its intuitive user interface and support for task-driven workflow management will guide you through complex and repetitive tasks, thus alleviating the burden of managing large installations.

### Clavister Web Management

Clavister Web Management is an easy to use Web-based administration interface, which greatly simplifies product deployment.

### Command-Line Interface

All Clavister Security Gateway Series products also support a comprehensive command-line interface. It is a powerful tool for anyone who wants to build custom administration interfaces.



Typical network scenario featuring Clavister SG10

## More Information

For more information about the Clavister Security Gateway Series of products, including software appliances and virtual appliances, please see the **Clavister Security Gateway Series** brochure available from [www.clavister.com](http://www.clavister.com).

## Clavister CorePlus

At the heart of the Clavister Security Gateway 10 Series, lays Clavister CorePlus – our in-house developed, high-performance security network operating system. Every line of code is crafted to ensure that it delivers maximum performance at all times. We take pride of delivering a product that we have full control over, rather than stitch together a solution based on a mix of open-source components.

## Flexibility and Adaptability

Not all networks are created equally. The vast difference in network configurations requires a network security gateway to be able to accommodate these differences. Clavister Security Gateway 10 Series gives you the freedom to set routing policies with extreme granularity. A large number of parameters can be used to construct policy roles to meet even the most demanding network installation.

## Big on Performance - Low on Maintenance

Clavister Security Gateway 10 Series share a common trait with all other Clavister products with its support for Clavister Service Provisioning Network (CSPN). This high-speed network ensures that all UTM services are kept updated and current from newly emerging threats. This gives system administrators the freedom to concentrate on running their network without having to worry about the having the latest UTM security patch installed.

## License Scalability

One of the most important aspects of the Clavister Security Gateway 10 Series is the extreme scalability. The Clavister xPansion Lines licensing concept gives you the ability to start with your performance and functionality needs today with the ability to upgrade your Clavister Security Gateway 10 Series incrementally in the future as your organization grows.

## Rich on Security

By integrating best-in-class Unified Threat Management (UTM) security functionality, such as Intrusion Detection and Prevention (IDP), Anti-Virus, Anti-Spam and Web Content Filtering with a stateful firewall with deep packet inspection, VPN connectivity, the Clavister Security Gateway 10 Series is able to protect your organization against everything from network layer attacks to application layer threats, and even viruses and worms.

## Low Total Cost of Ownership

Our goal is to provide a complete security solution more cost efficient than our competitors. Clavister Security Gateway 10 Series, with its unique combination of integrated security features, award-winning service and support, and its powerful administration system provide the best possible price/performance ratio with a low Total Cost of Ownership (TCO).

## Clavister Security Gateway 10 Series – Key Features

MODE OF OPERATIONS		IP ADDRESS ASSIGNMENT	
Layer 2 Mode (Transparent/Route Mode)	Yes/Yes	Static	Yes
Policy-Based NAT/PAT	Yes/Yes	DHCP Client, Server and Relay	Yes
Policy-Based Server Load Balancing	Yes	Proxy ARP	Yes
Virtual IP	Yes	PPPoE	Yes
ROUTING		LOG MONITORING	
Static Routing	Yes	Syslog Support	Yes
Policy-Based Routing (PBR)	Yes	Log Export (CSV) <sup>1</sup>	Yes
OSPF/OSPF over VPN	Yes/Yes	Real-Time Performance Monitoring	Yes
Multicast - IGMP	Yes	SNMP Polling/Traps	Yes
Source-Based Routing	Yes		
GRE	Yes		
APPLICATION LAYER GATEWAYS		TRAFFIC MANAGEMENT	
FTP/TFTP	Yes/Yes	Policy-Based Bandwidth Management	Yes
SIP/H.323 with NAT/SAT Support	Yes/Yes	Guaranteed Maximum Bandwidth	Yes
HTTP	Yes	Dynamic Bandwidth Balancing	Yes
SMTP/POP3	Yes/Yes	Priority Levels	Yes
CONTENT SECURITY		INTRUSION DETECTION AND PREVENTION	
Web Content Filtering	Yes	Stateful Pattern Matching	Yes
Audit/Blocking Mode	Yes	Protocol/Rate Anomaly	Yes/Yes
Classification Categories	30+	Insertion/Evasion Protection	Yes
URL Whitelisting/Blacklisting	Yes	Dynamic IP Blacklisting	Yes
Anti-Virus	Yes	Automatic Signature Updates	Yes
Stream-Based Signatures	Yes	Stateful Signatures	Yes
Automated Signature Updates	Yes	Component-Based Signatures	Yes
Per Devices Signature Service	Yes	Application Blocking	Yes
FIREWALL		MANAGEMENT	
Stateful Firewall	Yes	Clavister InControl Support	Yes
Deep Packet Inspection	Yes	Web-Based Management	Yes
Network Attack Detection/Prevention	Yes	Local Console (RS232/SSH)	Yes
DoS and DDoS Detection/Prevention	Yes	Command-Line Remote Management	Yes
TCP Reassembly	Yes	Remote Fail-Safe Operations	Yes
HIGH AVAILABILITY		USER AUTHENTICATION	
Firewall and VPN State Synchronization	Yes	LDAP Authentication	Yes
Device Failure Detection	Yes	External RADIUS Database	Yes, multiple servers
Dead Link, Gateway and Interface Detection	Yes	RADIUS Accounting	Yes
Interface Failover	Yes	CHAP, PAP	Yes
Route Failover	Yes	Web-Based Authentication	Yes
Average Failover Time	< 800 ms	Configurable HTTP/HTTPS Front-End	Yes
		xAuth VPN Authentication	Yes
VIRTUAL PRIVATE NETWORK (VPN)			
Encryption	AES, 3DES, DES, Blowfish, CAST-128		
Authentication	SHA-1, MD5		
IKE Modes	Main, Aggressive		
Perfect Forward Secrecy (DH Groups)	1, 2, 5		
X.509 Certificates, Pre-Shared Keys	Yes		
PKI Certificate Requests	PKCS#7, PKCS#11		
Self-Signed Certificates	Yes		
IPsec NAT Traversal (NAT-T)	Yes		
VPN Policy Selection Through	Firewall Rule Set, Routing, PBR		
VPN Tunnel Keep-Alive	Yes		
L2TP Client Server (LNS)	Yes		
PPTP Client Server (PNS)	Yes		

<sup>1</sup> Requires Clavister InControl, which is a separately licensed product. For more information regarding available options, please contact your local Clavister Sales Representative.

## Clavister Security Gateway 10 Series Specifications

	Clavister SG12	Clavister SG15
<b>Performance</b>		
Firewall Performance (Mbps)	200	200
VPN Performance (Mbps)	25	25
Concurrent Connections	4 000	4 000
Concurrent VPN Tunnels	2	2
Ethernet Interfaces	2 x 10BASE-T/100BASE-TX + 4 x 10BASE-T/100BASE-TX	2 x 10BASE-T/100BASE-TX + 4 x 10BASE-T/100BASE-TX
Virtual Interfaces (VLAN)	4	4
Virtual Routers	4	4
Maximum Users (ARP Entries)	25	50
<b>Hardware</b>		
Form Factor	Desktop	
Dimensions	260 mm W x 35 mm H x 190 mm D (10,24" W x 1,38" H x 7,48" D)	
Weight	1,2 kg (4,41 lbs)	
Power Supply	100V–240V, 50 to 60 Hz AC	
Average power consumption	14 W	
Average heat dissipation	48 BTU	
<b>Environmental</b>		
Operating temperature	0° to 55° C (32° to 131° F)	
Humidity	20% ~ 95%, non condensing	
<b>Regulatory Approvals</b>		
Safety	UL	
Approvals and compliance	FCC class A, CE class A	
Warranty	All products in the Clavister Security Gateway 10 Series come with a two (2) years standard RMA warranty and ninety (90) days Software Subscription covering all major and minor software releases counting from the Start Date.  Start Date means the earlier of Product registration or ninety (90) days following shipment from Clavister.	

Specifications subject to change without further notice.

**NOTE:** For product license options and support options, please visit: [www.clavister.com](http://www.clavister.com) or contact your local Clavister Sales Representative.

### About Clavister

Since 1997, Clavister has been delivering leading network security solutions, providing commercial advantage to tens of thousands of businesses worldwide. The Clavister family of unified threat management (UTM) appliances and remote access solutions provide innovative and flexible network security with world-class management and control.

Clavister has pioneered virtual network security, and this along with its portfolio of hardware and software appliances gives customers the ultimate choice. Clavister products are backed by Clavister's award-winning support, maintenance and education program.

Headquartered in Sweden, Clavister's solutions are sold through International sales offices, distributors, and resellers throughout EMEA and Asia.

To learn more, visit [www.clavister.com](http://www.clavister.com).

### Clavister Contact Information

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