



# Clavister Security Gateway 4300 Series

## Product Data Sheet

- High Performance Solution
- Scalable Licensing Model
- Flexible Interface Options
- 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
- High Availability Clustering

### Introducing Clavister Security Gateway 4300 Series

The Clavister Security Gateway 4300 Series is a set of turnkey, hardware-based, security products designed for medium and large-size enterprises and Data Centers that require high performance, excellent scalability and robustness functionality coupled with first-class Unified Threat Management (UTM) services. Based on the same award-winning technology found in all Clavister products, the Clavister Security Gateway 4300 Series has been designed to maximize high performance of plaintext and encrypted traffic.

All products in the Clavister Security Gateway 4300 Series are based on a purpose-built and highly optimized hardware platform, equipped with 4 x SFP connectors and 6 x 10/100/1000BASE-TX interfaces in a 1U 19" rack-mountable unit. This translates into a series of powerful, extremely secure and flexible network security gateway products.

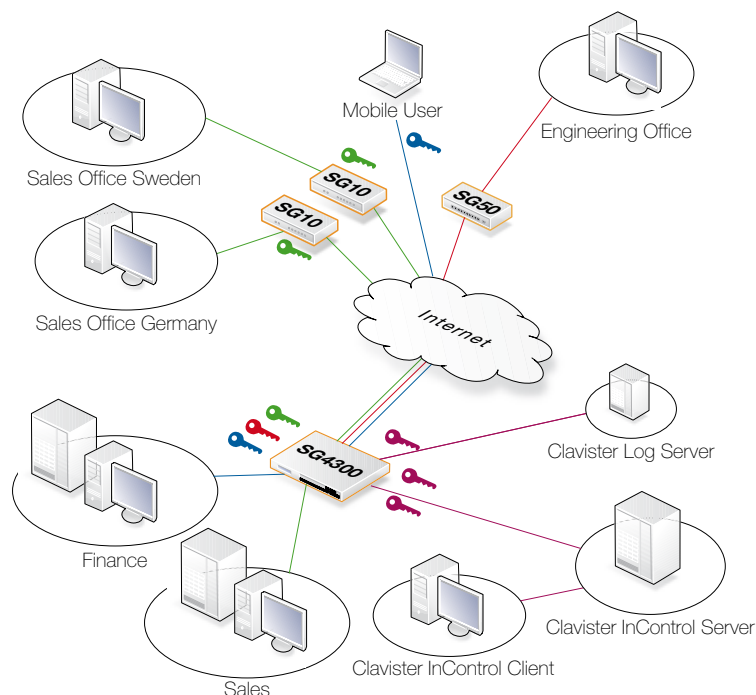
In addition to cutting-edge performance, the Clavister SG4300 delivers extensive security and networking functionality. The combination of an extensive feature set and high performance translates into best-in-class security without compromising performance or introducing bottlenecks in mission critical networks.

### Performance Matters

In today's converged networks security has to be implemented inter-departmentally with support for a wide range of network types, such as VoIP networks, Video Conference solutions and Local Area Networks (LAN). In these typical scenarios performance becomes a critical factor. Your security solution must handle this continuous demand for increased performance levels or it will become your central bottleneck.

This is the reason why Clavister designed the Clavister Security Gateway 4300 Series to be one of the world's highest performing network security gateways, capable of up to 7 Gbps plaintext throughput, 2 million concurrent connections and 1.4 million packets per second. The flexibility and expansion options enables you to keep one step ahead in the performance perplexity.

As with all Clavister Security Gateway products, IPsec compliant VPN functionality is available straight out of the box. With up to 2.5 Gbps VPN throughput and 10 000 concurrent VPN tunnels, the Clavister Security Gateway 4300 Series is more than capable of meeting the most complex VPN needs.



## Product Highlights

### Clavister CorePlus™

At the heart of the Clavister Security Gateway 4300 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 4300 Series gives you the freedom to set routing policies with extreme granularity. There are a vast number of variables that can be used to construct policy roles to meet the most varied network installation.

### Big on Performance – Low on Maintenance

Clavister Security Gateway 4300 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 4300 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 incrementally upgrade your Clavister Security Gateway 4300 Series 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 4300 Series is able to protect your organization against everything from network layer attacks to application layer threats, and even viruses and worms.



## 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 GAREWAYS		BANDWIDTH 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 4300 Series Specifications

	Clavister SG4310	Clavister SG4320	Clavister SG4330	Clavister SG4350	Clavister SG4370
Performance					
Plaintext Throughput (Mbps)	1 200	2 000	3 000	4 000	7 000
AES/3DES Throughput (Mbps)	400/400	600/600	1 000/1 000	1 500/1 500	2 500/2 500
Plaintext Packets per Second (PPS)	1 400 000				
AES/3DES Packets per Second (PPS)	500 000				
Concurrent Connections	256 000	512 000	1 000 000	2 000 000	2 000 000
Concurrent VPN Tunnels	500	750	1 000	5 000	10 000
Ethernet Interfaces	6 x 10/100/1000BASE-TX 4 x SFP (Mini-GBIC)				
Virtual Interfaces (VLAN)	64	128	256	512	1 024
Virtual Routers	5 included (upgradable to 500)				
Hardware					
Form Factor	1U (19" rack-mountable unit)				
Dimensions	426 mm W x 44,4 mm H x 396 mm D (16,77" W x 1,73" H x 15,59" D)				
Weight	8,2 kg (18,1 lbs)				
Power Supply	100V - 240V AC/50Hz to 60Hz				
Environmental					
Operating temperature	5° to 45° C (32° to 104° F)				
Humidity	5% ~ 95%, non condensing				
Regulatory Approvals					
Safety	UL				
Approvals and Compliance	CE Emission, FCC Class A, RoHS				
Warranty	All products in the Clavister Security Gateway 4300 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).

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**CLAVISTER®**  
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