

# Security Gateway 10 Series



## **Clavister SSP™ Security Service Platform**

firewall • VPN termination • intrusion prevention • anti-virus  
content filtering • traffic shaping • authentication

# **CLAVISTER™**

**Protecting Values**



- **Firewall**
- **VPN**
- **Intrusion Detection & Prevention**
- **Web Content Filtering**
- **Antivirus**
- **Virtualization Technologies**
- **Bandwidth Management**
- **User Authentication**
- **Server Load Balancing**

## Clavister Security Gateway 10 Series

The Clavister Security Gateway 10 Series is a cost-efficient Custom Premises Equipment (CPE) unit for Managed Security Service Provider (MSSP) environments. It includes the same powerful features as all Clavister Security Gateway products.

This enables Service Providers to decrease costs at the same time as it provides the option to sell new services and increase the Average Revenue Per User (ARPU).

### Investment Friendly Licensing

The SG10 Series consists of two (2) license models, each differentiated by the maximum number of users.

Thanks to the unique Clavister xPansion Lines you are able to start with the model that fits your current needs and upgrade to the larger model as your business and network grows.

Say goodbye to 'rip-and-replace' and say hello to 'scale-in-place'

### Based on Clavister SSP™

The SG10 Series is based on the same award-winning technology as all Clavister products which in other words means that you are getting the same features as our telecom operators and service providers are using, just a bit more cost-effectively.

### Product Highlights

#### Minimal TCO

The Clavister SG10 Series has been designed with minimal Total Cost of Ownership (TCO) as key criteria. That is why you will find functionality such as centralized management, rapid deployment and flexible licensing options included.

#### Maximized ROI

A key criteria for any Managed Security Service Provider (MSSP) is the ability to make the service profitable as fast as possible. This means that the both Capital Expenses (CapEx) and the Operational Cost (OpEx) must be considered at all times.

Low investment cost, minimal administrative efforts, a simple yet fine-tunable management system as well as a flexible licensing model ensures that the SG10 Series provides an extremely rapid Return of Investment.

#### Increase your ARPU

WIn today's competitive landscape everybody wants to distinguish themselves from the competitors.

This is just as true no matter if you are an integrator who needs to find more efficient ways to implement security for your customers or if you are an established Managed Security Service Provider looking for ways to increase the Average Revenue Per User (ARPU).

With the Clavister Security Services Platform, and the Clavister SG10 it is easy to provision a number of value-adding services such as Firewall, VPN, Content Filtering, IDP, Compliance Reporting and Antivirus using the same platform. Thereby making it easy to add new revenue streams and increase the Average Revenue Per User.

# Protecting Values

## Feature list

12

15

### System Performance and Capacity

Plaintext Throughput (Mbps)	50	50
AES/3DES Throughput (Mbps)	25/25	25/25
Concurrent Connections	4.000	4.000
Concurrent VPN Tunnels	2	2
Ethernet Interfaces	2x100BASE-TX + 4x100BASE-TX	
Virtual Interfaces (VLAN)	4	4
Virtual Systems	4	4
Virtual Routers	4	4
Max Users (ARP Entries)	10	25

## Feature list

10 Series

### Mode of Operation

Layer 2 mode (transparent mode)	Yes
Layer 3 mode (route mode)	Yes
Policy-based NAT/PAT	Yes
Policy-based Server Load Balancing	Yes
Virtual IP	Yes

### Firewall

Network Attack Detection/Prevention	Yes
DoS and DDoS Detection/Prevention	Yes
TCP Reassembly	Yes

### VPN - Virtual Private Networking

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 Ruleset, Routing, PBR
VPN Tunnel Keep-alive	Yes
L2TP/PPTP Client	Yes/Yes
L2TP/PPTP Server	No/No
IPSec Concentrator	No

### Intrusion Detection and Prevention

Stateful Pattern Matching	Yes
Protocol Anomaly	Yes
Rate Anomaly	Yes
Insertion/Evasion Protection	Yes
Dynamic IP Blacklisting	Yes
Automated Signature Updates	Yes
Stateful Signatures	Yes
Component Based Signatures	Yes
Application Blocking	Yes

### Content Security

Web Content Filtering	Yes
Audit Mode	Yes
Blocking Mode	Yes
Classification Categories	> 30
URL White/Black Listing	Yes
Antivirus	Yes
Stream-based Signatures	Yes
Automated Signature Updates	Yes
Per Device Signature Service	Yes
Antispam*	Yes
DNS BL	Yes
Multiple spam lists	Yes
Verify e-mail senders	Yes
Whitelist/Blacklist	Yes

## Feature list

10 Series

### Routing

Static Routing	Yes
Policy-based Routing (PBR)	Yes
OSPF / OSPF over VPN	Yes
Multicast - IGMP	Yes
Source Base Routing	Yes
GRE	Yes

### IP Address Assignment

Static	Yes
DHCP Client, Server and Relay	Yes
Proxy ARP	Yes
PPPoE	Yes

### Application Layer Gateways

FTP	Yes
TFTP*	Yes
HTTP	Yes
H.323	Yes
SIP*	Yes
SMTP	Yes
POP3*	Yes

### Bandwidth Management

Policy-based Bandwidth Management	Yes
Guaranteed / Maximum Bandwidth	Yes
Dynamic Bandwidth Balancing	Yes
Priority Levels	Yes

### Logging / Monitoring

Clavister Logger/Syslog	Yes/Yes
Clavister InSight Compatible	Yes
Real-time Log Viewer	Microsoft Windows, Linux
Command Line Log Query Tools	CSV
Log Export Format	Yes
PCAP Recording*	Yes
Real-time Performance Monitoring	Yes
SNMP Polling/Traps	Yes
SNMP v2c*	Yes

### Management

Local Console	RS232
Command-line based Remote Management	Microsoft Windows, Linux
Graphical Enterprise Remote Management	Included in all products
Multi-Device Management	Yes
Remote Fail-safe Operation	Yes
Revision History	Complete Configurations
Traffic Simulator/Ruleset Tester	Yes

### User Authentication

External RADIUS User Database	Yes, multiple servers
RADIUS Accounting	Yes
CHAP, PAP	Yes
Web-based Authentication	Yes
Customizable HTTP(s) Front-end	Yes
XAuth VPN Authentication	Yes

### Dimensions and Weight

H x W x D (mm)	35x260x190
Weight	1,2 kg
Form Factor	Desktop
Power Supply (AC)	100-240V 50 to 60 Hz AC

### Regulatory and Safety Standards

Safety: UL
EMC: FCC class A, CE class A

### Environmental

Humidity: 20% to 95% noncondensing
Operational Temperature: 0 to 55 C
Vibration: 0.41 Grms2 (3-500 Hz)
Shock: 30 G

\* Release schedule to be announced

## Warranty

All products in the Clavister Security Gateway 50 Series come with a two (2) year standard RMA warranty and 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.

## Contact Information

General comments or questions:  
info@clavister.com

Sales questions:  
If you require product information, price lists etc  
sales@clavister.com

Partner questions:  
Questions related to the Clavister Partner Program  
partner@clavister.com

Technical Support:  
support@clavister.com

Ordering information:  
order@clavister.com

## About Clavister

Clavister - a Swedish privately owned company developing IT security products, including its award-winning Clavister Security Service Platform (SSP™). This service-oriented framework enables organizations to monitor network traffic, protecting critical business assets and blocking undesirable surfing. It will also protect you against intrusion, viruses, worms, Trojans, and overload attacks. It requires minimal servicing, with central administration, and has exceptionally flexible configuration possibilities. Its seamless scalability makes it easy to provision the perfect solution for any customer; be it small organizations, large Internet Service Providers, Managed Security Service Providers, or multimedia-ready telecom operators.

Clavister was founded 1997 in Sweden, with R&D and headquarters based in Örnsköldsvik and Sales and Marketing based in Stockholm. Its solutions are marketed and sold through International sales offices, distributors, and resellers throughout EMEA and Asia. Clavister also offers its technology to OEM manufacturers.

## Clavister Security Gateway 10 Series

### Clavister Security Gateway 12

CLA-APP-SG12

#### Software Subscriptions - Major and Minor Releases

Standard Unit	12 months	CLA-APP-SG12-SS12
Standard Unit	36 months	CLA-APP-SG12-SS36

#### Hardware Replacement - Next Business Day Shipment & Software Subscription Bundle

Standard Unit	12 Months	CLA-APP-SG12-SSHW12
Standard Unit	36 Months	CLA-APP-SG12-SSHW36

#### UTM Services

Antivirus Signature Update Service	12 Months	CLA-APP-SG12-KAV12
Antivirus Signature Update Service	36 Months	CLA-APP-SG12-KAV36
Web Content Filtering Service	12 Months	CLA-APP-SG12-WCF12
Web Content Filtering Service	36 Months	CLA-APP-SG12-WCF36
IDP Signature Update Service	12 Months	CLA-APP-SG12-IDP12
IDP Signature Update Service	36 Months	CLA-APP-SG12-IDP36

#### License upgrades

SG12 to SG15	License Upgrade	CLA-APP-SG12-SG15
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### Clavister Security Gateway 15

CLA-APP-SG15

#### Software Subscriptions - Major and Minor Releases

Standard Unit	12 months	CLA-APP-SG15-SS12
Standard Unit	36 months	CLA-APP-SG15-SS36

#### Hardware Replacement - Next Business Day Shipment & Software Subscription Bundle

Standard Unit	12 Months	CLA-APP-SG15-SSHW12
Standard Unit	36 Months	CLA-APP-SG15-SSHW36

#### UTM Services

Antivirus Signature Update Service	12 Months	CLA-APP-SG15-KAV12
Antivirus Signature Update Service	36 Months	CLA-APP-SG15-KAV36
Web Content Filtering Service	12 Months	CLA-APP-SG15-WCF12
Web Content Filtering Service	36 Months	CLA-APP-SG15-WCF36
IDP Signature Update Service	12 Months	CLA-APP-SG15-IDP12
IDP Signature Update Service	36 Months	CLA-APP-SG15-IDP36

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