Security Gateway 10 Series

CLAVISTER ®

Protecting Values

CLAVISTER®

- **Firewall**
- **VPN**
- **Intrusion Detection & Prevention**
- **Web Content Filtering**
- **Anti-Virus**
- **Anti-Spam**
- **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.

The SG10 Series enable Service Providers to decrease costs at the same time as it provide the option to sell new service 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 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 a 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 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 and a flexible licensing model ensures that the SG10 Series provide an extremely rapid Return of Investment (ROI).

Increased ARPU
In 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 need 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, Web Content Filtering, IDP, Compliance Reporting and Anti-Virus using the same platform. Thereby making it easy to add new revenue streams and increase the ARPU.

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 Rule Set, 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 Whitelisting/Blacklisting	Yes
Anti-Virus	Yes
Stream-based Signatures	Yes
Automated Signature Updates	Yes
Per Device Signature Service	Yes
Anti-Spam	Yes
DNS BL	Yes
Multiple Spam Lists	Yes
Verify Email Sendors	Yes
Whitelist/Blacklist	Yes

Feature List	10 Series
Routing	
Static Routing	Yes
Policy-based Routing (PBR)	Yes
OSPF/OSPF over VPN	Yes/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/TFTP	Yes/Yes
SIP/H.323	Yes/Yes
NAT and SAT support	Yes
HTTP	Yes
SMTP/POP3	Yes/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/Rule Set 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)	35 x 260 x 190
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% non-condensing
Operational Temperature: 0 to 55 C
Vibration: 0.41 Grms2 (3-500 Hz)
Shock: 30 G

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Warranty

All products in the Clavister Security Gateway 10 Series come with a two (2) year 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.

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

Anti-Virus Signature Update Service	12 Months	CLA-APP-SG12-KAV12
Anti-Virus 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

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

Anti-Virus Signature Update Service	12 Months	CLA-APP-SG15-KAV12
Anti-Virus 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

Clavister SSP™ Security Services Platform
firewall • VPN termination • intrusion prevention • anti-virus
anti-spam • content filtering • traffic shaping • authentication

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www.clavister.com