Security Gateway 200 Series

Brings security to your network

CLAVISTER™

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The Clavister Security Gateway 200 Series is a set of turn-key, hardware based, security products designed for small and medium sized enterprises or similar organisations with equal needs and demands.

The 200 Series is based on the same award winning technology as all Clavister products which in other words means extreme security, high performance and a versatile set of functionality.

Versatile Security Solutions

All Clavister products are built to provide supreme and high-performing security at an unparalleled price / performance ratio.

With a rich set of functionality such as Bandwidth Management, Office-to-Office VPN, User Authentication, High-Availability, Deep Inspection with Intrusion Detection and Prevention, Layer 7 Application Recognition, Content Filtering, Virtual Systems, Virtual Routers and dynamic routing capabilities, we do not only see our products as gateways in complex networks but also as business platforms that grow with your needs.

We will not let a product failure ruin your business

You are well aware of that the health of your network is mission-critical. You are also well aware of that redundant backup security solutions are usually designed for large enterprises with a matching price tag.

We at Clavister realized that even the smallest of networks is mission-critical, for its users. That 's why we never hesitated for a moment to include High Availability backup support with interface failover functionality in all models of the Clavister Security Gateway 200 Series.

Product Highlights

Security

- Proprietary firmware - no inherited vulnerabilities
- Proven, industry-standard algorithms
- Deep Inspection with Intrusion Detection and Prevention, Application Recognition and Content Filtering for advanced application layer security*

Performance

- 200 Mbit/s Plaintext throughput and 20 Mbit/s VPN throughput
- 32.000 Concurrent Connections
- 200 Concurrent VPN Tunnels

Versatile Security

- Integrated VPN, Bandwidth Management and clustering
- High-end features, including VLAN, Virtual Systems, Virtual Routers and User Authentication

Low total cost of ownership

- Rapid deployment
- No time-consuming maintenance tasks
- All operations conducted from central enterprise security management system
- Investment-friendly licensing model

Feature list	220	240
System Performance and Capacity		
Plaintext Throughput (Mbps)	100	200
AES/3DES Throughput (Mbps)	20/7	20/7
Concurrent Connections	16.000	32.000
Concurrent VPN Tunnels	100	200
Ethernet Interfaces	4 x 100BASE-TX	4 x 100BASE-TX
Virtual Interfaces (VLAN)	32	64
Virtual Systems	5 + up to 10 additional Virtual Systems	
Virtual Routers	5 + up to 10 additional Virtual Systems	

Feature list	200 Series
Mode of Operation	
Layer 2 mode (transparent mode)	Yes
Layer 3 mode (route mode)	Yes
Policy-based NAT	Yes
Policy-based PAT	Yes
Policy-based Server Load Balancing	Yes
Virtual IP	Yes
Firewall	
Statefull Packet Inspection (SPI)	Yes
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 Client / Server (LNS)	Yes
PPTP Client / Server (PNS)	Yes
Application Layer Gateways	
FTP	Yes
Run-time Active/Passive FTP Transformation	Yes
H.323	Yes
NAT and SAT support	Yes
HTTP	Yes
ActiveX / Java applet Filtering	Yes
Javascript / VBscript Filtering	Yes
Pattern-based URL Filtering	Yes
Deep Inspection*	
Policy-based IDS/IDP	Yes
Policy-based Application Recognition	Yes
IP Black-listing	Yes
Number of Layer 7 Attack Definitions	>1.000
Bandwidth Management	
Policy-based Bandwidth Management	Yes
Guaranteed / Maximum Bandwidth	Yes
Dynamic Bandwidth Balancing	Yes
Priority Levels	Yes
High Availability	
Firewall and VPN state Syncronization	Yes
Device Failure Detection	Yes
Dead Link, Gateway and Interface Detection	Yes
Interface Failover	Yes
Route Failover	Yes
Average Failover time	< 800 ms

Feature list	200 Series
Routing	
Static Routing	Yes
Policy-based Routing (PBR)	Yes
OSPF	Yes
OSPF over VPN	Yes
Source Base Routing	Yes
GRE	Yes
IP Address Assignment	
Static	Yes
DHCP Client, Server and Relay	Yes
Proxy ARP	Yes
PPPoE	Yes
Logging / Monitoring	
Clavister Firewall Logger	Yes
Syslog	Yes
Real-time Log Viewer	Yes
Number of Log Recievers	8
Graphical Log Analyzer	Yes
Command Line Log Query Tools	Microsoft Windows, Linux
Log Export Format	CSV
NetIQ WebTrends Support	Yes
Sawmill 7.0™ Support	Yes
Real-time Performance Monitoring	Yes
SNMP Polling	Yes
Management	
Local Console	RS232
Command-line based Remote Management	Microsoft Windows, Linux
Graphical Enterprise Remote Management	Included in all products
Multi-Firewall Management	Yes
Number of Administrators	Unlimited
Administrative Networks	Unlimited
Remote Fail-safe Operation	Yes
Revision History	Complete Configurations
Centrally Archived Configurations	Yes
Remote Firmware Upgrades	Yes
User Authentication	
External RADIUS User Database	Yes, multiple servers
CHAP, PAP	Yes
Web-based Authentication	Yes
Customizable HTTP(s) Front-end	Yes
XAuth VPN Authentication	Yes
Microsoft Active Directory Integration	Yes
Dimensions and Weight	
H x W x D (mm)	44x290x152
Weight	1 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	
Enviromental	
Humidity: 20% to 95% noncondensing	
Operational Temperature: 0 to 55 C	
Vibration: 0.41 Grms2 (3-500 Hz)	
Shock: 30 G	

For detailed and current technical specifications, please visit: www.clavister.com

* Release schedule to be announced

Ordering Information

Warranty

All products in the Clavister Security Gateway 200 Series come with a one (1) 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:
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About Clavister

Clavister is a leading developer of high-performance IT/IP security. The products, based on unique technology, include carrier-class firewalls and VPN solutions. They have been awarded preferred choice by international press and are in use today by thousands of satisfied customers. In short; In a world where people depend on information, Clavister provides complete security solutions more cost-efficient than any competitor, always with Your business in mind.

Clavister was founded 1997 in Sweden. Its R&D and headquarters is situated in Örnsköldsvik, Sweden and its solutions are marketed and sold through sales offices, distributors and resellers in Europe and Asia. Clavister also offers its technology to OEM manufacturers.

Clavister Security Gateway 220

Clavister Security Gateway 220	CLA-APP-SG220
Clavister Security Gateway 220 Failover Unit	CLA-APP-SG220-FO

Software Subscriptions - Major and Minor Releases

Standard Unit	12 months	CLA-APP-SG220-SS12
Standard Unit	24 months	CLA-APP-SG220-SS24
Standard Unit	36 months	CLA-APP-SG220-SS36
Failover Unit	12 months	CLA-APP-SG220-FO-SS12
Failover Unit	24 months	CLA-APP-SG220-FO-SS24
Failover Unit	36 months	CLA-APP-SG220-FO-SS36

Hardware Replacement - Next Business Day Shipment & Software Subscription Bundle

Standard Unit	12 Months	CLA-APP-SG220-SSHW12
Standard Unit	24 Months	CLA-APP-SG220-SSHW24
Standard Unit	36 Months	CLA-APP-SG220-SSHW36
Failover Unit	12 Months	CLA-APP-SG220-FO-SSHW12
Failover Unit	24 Months	CLA-APP-SG220-FO-SSHW24
Failover Unit	36 Months	CLA-APP-SG220-FO-SSHW36

License upgrades

SG220 to SG240	License Upgrade	CLA-APP-SG220-SG240

Clavister Security Gateway 240

Clavister Security Gateway 240	CLA-APP-SG240
Clavister Security Gateway 240 Failover Unit	CLA-APP-SG240-FO

Software Subscriptions - Major and Minor Releases

Standard Unit	12 months	CLA-APP-SG240-SS12
Standard Unit	24 months	CLA-APP-SG240-SS24
Standard Unit	36 months	CLA-APP-SG240-SS36
Failover Unit	12 months	CLA-APP-SG240-FO-SS12
Failover Unit	24 months	CLA-APP-SG240-FO-SS24
Failover Unit	36 months	CLA-APP-SG240-FO-SS36

Hardware Replacement - Next Business Day Shipment & Software Subscription Bundle

Standard Unit	12 Months	CLA-APP-SG240-SSHW12
Standard Unit	24 Months	CLA-APP-SG240-SSHW24
Standard Unit	36 Months	CLA-APP-SG240-SSHW36
Failover Unit	12 Months	CLA-APP-SG240-FO-SSHW12
Failover Unit	24 Months	CLA-APP-SG240-FO-SSHW24
Failover Unit	36 Months	CLA-APP-SG240-FO-SSHW36

Spare Parts, Accessories and Virtualizations

AC Power Supply for Clavister Security Gateway 200 Series	CLA-APP-SG200-ACPSU
Upgrade from 5 to 10 Virtual Systems and Routers	CLA-APP-SG200-VSYS10

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