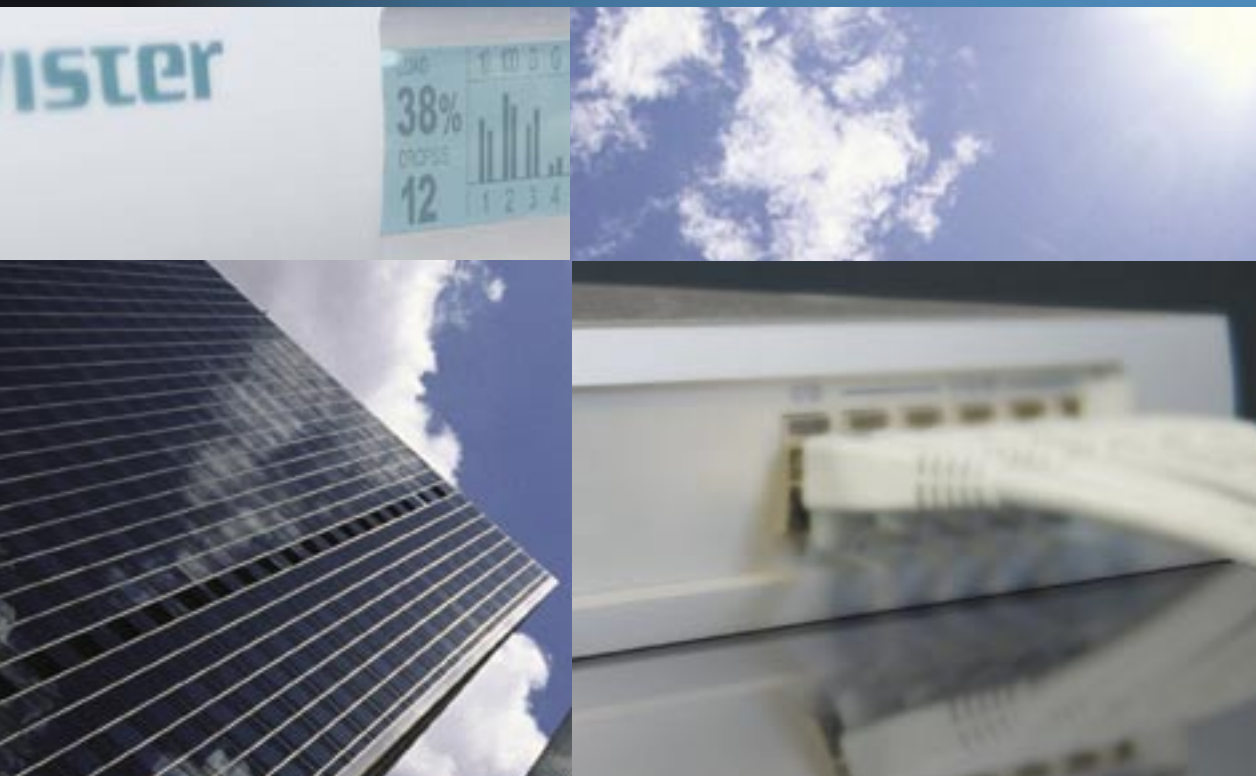


# Security Gateway 3100 Series



Brings security to your network

**CLAVISTER**<sup>TM</sup>



# Clavister Security Gateway 3100 Series

Brings security to your network

## Clavister Security Gateway 3100 Series

The Clavister Security Gateway 3100 Series is a new set of turn-key, hardware based, security products designed for small and medium sized enterprises or similar organisations with equal needs and demands.

The 3100 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 and advanced routing capabilities, we do not only see our products as gateways in complex networks but also as business platforms that grow with your needs.

## Protect your confidentiality

IPsec compliant VPN functionality is an integral feature of all Clavister Security Gateway products. With up to 600 simultaneous VPN tunnels and 150 Mbit/s VPN throughput, the Clavister Security Gateway 3100 Series is capable of enabling any complex VPN solution.

The Clavister Security Gateway 3100 Series is designed for communication. Supremely secure communication.



## 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

- 300 Mbit/s Plaintext throughput and 130 Mbit/s VPN throughput
- 128.000 Concurrent Connections
- 600 Concurrent VPN Tunnels

### Versatile Security

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

### Low total cost of ownership

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

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# Clavister Security Gateway 3100 Series

## Feature Overview

Feature list	3110	3150
System Performance and Capacity		
Plaintext Throughput (Mbps)	200	300
AES/3DES Throughput (Mbps)	70/70	130/100
Concurrent Connections	32.000	128.000
Concurrent VPN Tunnels	300	600
Number of Users	Unlimited	Unlimited
Ethernet Interfaces	6 x 100BASE-TX	6 x 100BASE-TX
Number of Virtual (VLAN) Interfaces	128	256

### Feature list 3100 Series

Firewall		
Stateful Packet Inspection (SPI)	Yes	
Policy-based NAT	Yes	
Policy-based PAT	Yes	
Network Attack Detection/Prevention	Yes	
DoS and DDoS Detection/Prevention	Yes	
TCP Reassembly	Yes	
VPN – Virtual Private Networking		
Encryption	AES (Rijndael), 3DES, DES, Twofish, 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	
Peer Authentication	Built-in Database, IP, DNS-name, E-mail, X.500 Distinguished Name	
LAN-to-LAN VPN	Yes	
Roaming Clients	Yes	
Star VPN Design Support	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*	Yes	
PPTP*	Yes	
Application Layer Gateways		
FTP	Yes	
Run-time Active/Passive FTP Transformation	Yes	
H.323	Yes	
HTTP	Yes	
ActiveX / Java applet Filtering	Yes	
Javascript / VBscript Filtering	Yes	
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 Synchronization	Yes	
Device Failure Detection	Yes	
Dead Link, Gateway and Interface Detection		
Average Failover time	Yes	

### Feature list 3100 Series

Addressing and Routing	
Static IP	Yes
Static ARP Entries	Yes
Published IP Addresses	1024
Published Ethernet Addresses	Yes
Proxy ARP (Transparent Mode)	Yes
DHCP Client, Server and Relay	Yes
PPPoE	Yes
Static Routing	Yes
Number of Routes	512
Policy-based Routing (PBR)	Yes
OSPF*	Yes
Logging / Monitoring	
Clavister Firewall Logger	Yes
Syslog	Yes
Real-time Log Viewer	Yes
Number of Log Receivers	8
Graphical Log Analyzer	Yes
Command Line Log Query Tools	Microsoft Windows, Linux
Log Export Format	CSV
NetIQ WebTrends Support	Yes
eIQNetworks FirewallAnalyzer 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
Firewall Core Upgrades	Complete remote software upgrades.
User Authentication	
External RADIUS User Database	Yes, multiple servers
CHAP, PAP	Yes
RADIUS Challenge/Response (HTTP)	Yes
Customizable HTTP(s) Front-end	Yes
VPN IKE XAuth	Yes
Microsoft Active Directory Integration	Yes
Dimensions and Weight	
H x W x D (mm)	44x440x270
Weight	5.2 kg
Form Factor	1U
Rack Mountable 19"	Yes
Power Supply (AC)	100-240V 50 to 60 Hz AC
Power Supply (DC)	36VDC to 72VDC
Regulatory and Safety Standards	
Safety: UL, CUL, CSA, CB	
EMC: FCC class A, BSMI, CE class A, C-Tick, VCCI class A	
Environmental	
Humidity: 20% to 95% noncondensing	
Operational Temperature: 0 to 55 C	
Vibration: 0.41 Grms2 (3-500 Hz)	
Shock: 30 G	
MTBF: 6 years	
Acoustic Noise: 45 dBA max	



For detailed and current technical specifications, please visit: [www.clavister.com](http://www.clavister.com)

\* Scheduled for release in H1 2004

# Clavister Security Gateway 3100 Series

## Additional Information

### Warranty

All products in the Clavister Security Gateway 3100 Series come with a two (2) years 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](mailto:info@clavister.com)

Sales questions:  
If you require product information, price lists etc  
[sales@clavister.com](mailto:sales@clavister.com)

Partner questions:  
Questions related to the Clavister Partner Program  
[partner@clavister.com](mailto:partner@clavister.com)

Technical Support:  
[support@clavister.com](mailto:support@clavister.com)

Ordering information:  
[order@clavister.com](mailto:order@clavister.com)

### About Clavister

Clavister is a leading developer of high-performance IT/IP security technology. Clavister brings unsurpassed network security and the power of its solutions to the global firewall and VPN market. 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.

Clavister was founded 1997 in Sweden. Its R&D and headquarters is situated in Örnköldsvik, 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.

For more information please visit: [www.clavister.com](http://www.clavister.com)

## Ordering Information

### Clavister Security Gateway 3110

Clavister Security Gateway 3110 (AC)	CLA-APP-SG3110
Clavister Security Gateway 3110 (DC)	CLA-APP-SG3110-DC
Clavister Security Gateway 3110 Failover Unit (AC)	CLA-APP-SG3110-FO
Clavister Security Gateway 3110 Failover Unit (DC)	CLA-APP-SG3110-DC-FO

#### Software Subscriptions - Major and Minor Releases

Standard Unit	12 months	CLA-APP-SG3110-SS12
Standard Unit	24 months	CLA-APP-SG3110-SS24
Standard Unit	36 months	CLA-APP-SG3110-SS36

Failover Unit	12 months	CLA-APP-SG3110-FO-SS12
Failover Unit	24 months	CLA-APP-SG3110-FO-SS24
Failover Unit	36 months	CLA-APP-SG3110-FO-SS36

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

Standard Unit	12 Months	CLA-APP-SG3110-SSHW12
Standard Unit	24 Months	CLA-APP-SG3110-SSHW24
Standard Unit	36 Months	CLA-APP-SG3110-SSHW36

Failover Unit	12 Months	CLA-APP-SG3110-FO-SSHW12
Failover Unit	24 Months	CLA-APP-SG3110-FO-SSHW24
Failover Unit	36 Months	CLA-APP-SG3110-FO-SSHW36

#### License upgrades

SG3110 to SG3150	License Upgrade	CLA-APP-SG3110-SG3150
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### Clavister Security Gateway 3150

Clavister Security Gateway 3150 (AC)	CLA-APP-SG3150
Clavister Security Gateway 3150 (DC)	CLA-APP-SG3150-DC
Clavister Security Gateway 3150 Failover Unit (AC)	CLA-APP-SG3150-FO
Clavister Security Gateway 3150 Failover Unit (DC)	CLA-APP-SG3150-DC-FO

#### Software Subscriptions - Major and Minor Releases

Standard Unit	12 months	CLA-APP-SG3150-SS12
Standard Unit	24 months	CLA-APP-SG3150-SS24
Standard Unit	36 months	CLA-APP-SG3150-SS36

Failover Unit	12 months	CLA-APP-SG3150-FO-SS12
Failover Unit	24 months	CLA-APP-SG3150-FO-SS24
Failover Unit	36 months	CLA-APP-SG3150-FO-SS36

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

Standard Unit	12 Months	CLA-APP-SG3150-SSHW12
Standard Unit	24 Months	CLA-APP-SG3150-SSHW24
Standard Unit	36 Months	CLA-APP-SG3150-SSHW36

Failover Unit	12 Months	CLA-APP-SG3150-FO-SSHW12
Failover Unit	24 Months	CLA-APP-SG3150-FO-SSHW24
Failover Unit	36 Months	CLA-APP-SG3150-FO-SSHW36

# CLAVISTER

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