

Security Gateway 3200 Series



Clavister SSP™ Security Services Platform

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

CLAVISTER®

Protecting Values



- **Firewall**
- **VPN**
- **Intrusion Detection & Prevention**
- **Web Content Filtering**
- **Anti-Virus**
- **Anti-Spam**
- **Virtualization Technologies**
- **Bandwidth Management**
- **User Authentication**
- **Server Load Balancing**
- **High Availability Clustering**

Clavister Security Gateway 3200 Series

The Clavister Security Gateway 3200 Series is a set of turnkey, hardware-based, security products designed for small and medium-sized enterprises or similar organisations.

The 3200 Series is based on the award-winning Clavister Security Services Platform (SSP™) which means super granular configurability, seamless scalability and a rich set of functionality.

Security and Scalability

By integrating best-in-class security functions such as Intrusion Detection & Prevention, Firewall, VPN, Anti-Virus, Anti-Spam and Web Content Filtering, the Clavister Security Gateway 3200 Series is able to protect your organization against everything from network layer attacks to application layer threats, and even viruses and worms.

Additionally, the 3200 Series follows the Clavister xPansion Lines™ concept which lets you start with the model that matches your current needs and allows scaling to match your growth without any 'rip & replace'.

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 250 Mbit/s VPN throughput, the Clavister Security Gateway 3200 Series is capable of meeting the most complex VPN needs.

Product Highlights

Modularity

With the 3200 Series you can set security policies any way you want - from having a specific, detailed policy for every single user in your organisation to filtering by application, credentials, time of day or any one of a hundred other variables since we know that no two networks are alike.

Scalability

One of the most important aspects of the Clavister Security Gateway 3200 Series is the extreme scalability in combination with the Clavister xPansion Lines licensing concept.

The 3200 Series ranges from 350 to 1,000 Mbit/s plaintext and 100 to 250 Mbit/s VPN Throughput. That means that this product will be able to cater for all your performance and functionality needs today as well as in the future when your organisation grows.

Big on Performance - Low on Maintenance

With the 3200 Series, just as with all other Clavister products, there are no time-consuming upgrades and service pack installations to be done (as is common with many other vendors). Any upgrades that are required (to handle newly emerging threats, for example) are provided by the Clavister Service Provisioning Network (CSPN).

Protecting Values



Feature List

3210

3230

3250

System Performance and Capacity

| | | | |
|-------------------------------------|---|---------|---------|
| Plaintext Throughput (Mbps) | 350 | 500 | 1000 |
| VPN Throughput (Mbps) | 100 | 150 | 250 |
| Concurrent Connections | 32,000 | 128,000 | 256,000 |
| Concurrent VPN Tunnels | 250 | 400 | 600 |
| Ethernet Interfaces | 6 x 1000BASE-TX | | |
| Number of Virtual (VLAN) Interfaces | 64 | 128 | 256 |
| Virtual Systems | 5 + up to 25 additional Virtual Systems | | |
| Virtual Routers | 5 + up to 25 additional Virtual Routers | | |

Feature List

3200 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 Rules Set, Routing, PBR |
| VPN Tunnel Keep-Alive | Yes |
| L2TP Client Server (LNS) | Yes |
| PPTP Client Server (PNS) | Yes |

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 |

High Availability

| | |
|--|----------|
| Firewall and VPN State Synchronization | 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

3200 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 Firewall Logger | Yes |
| Syslog | Yes |
| Real-time Log Viewer | Yes |
| Command-line Log Query Tools | Microsoft Windows, Linux |
| Log Export Format | CSV |
| Real-time Performance Monitoring | Yes |
| SNMP Polling/Traps | 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 |

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) | 44 x 440 x 270 |
| Weight | 4.4 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 |
| EMC: FCC class A, CE class A, VCCI class A |

Environmental

| |
|-------------------------------------|
| Humidity: 20% to 95% non-condensing |
| Operational Temperature: 5 to 55 C |
| Vibration: 0.41 Grms2 (3-500 Hz) |
| MTBF: 4 years |
| Shock: 30 G |

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

Warranty

All products in the Clavister Security Gateway 3200 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:
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Sales questions:
If you require product
information, price lists, etc.
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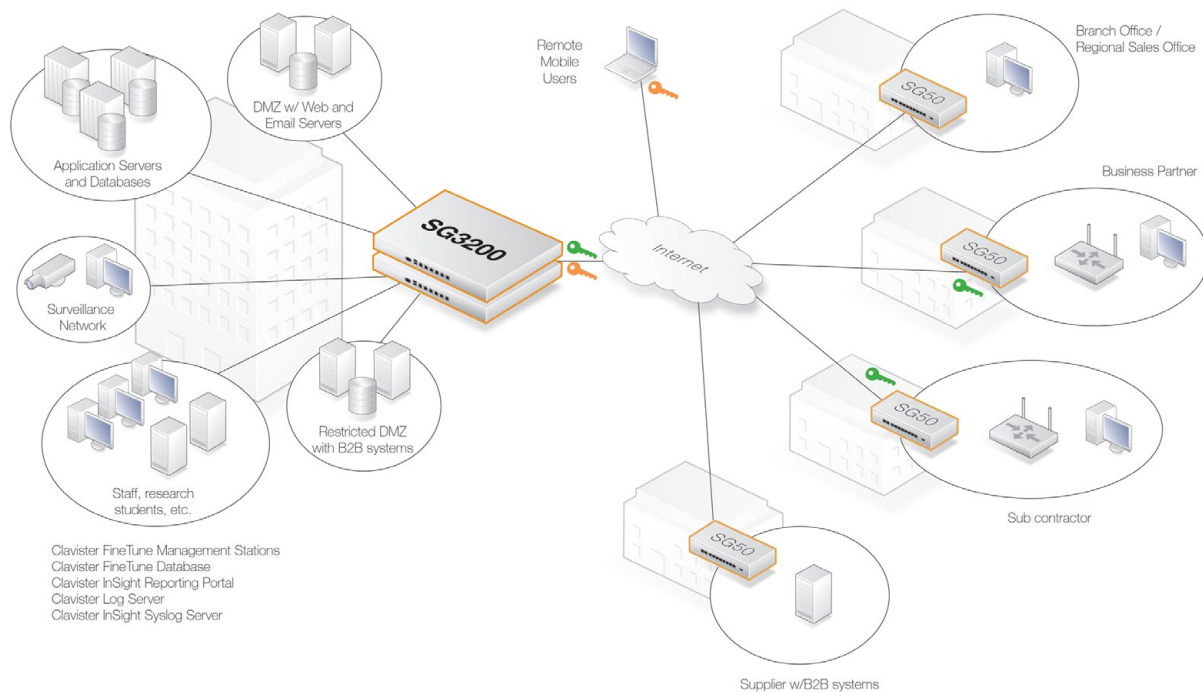
Ordering information:
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Partner questions:
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About Clavister

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 Örnköldsvik 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.



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