



# Clavister SG60 Series Product Sheet

## Introducing Clavister SG60 Series

The Clavister SG60 Series is a set of turnkey, hardware-based, security products designed for remote offices that require excellent price/performance ratio, a clear upgrade path and easy-to-use features, including support for first-class Unified Threat Management (UTM) services. Based on the same award-winning technology found in all Clavister products, the Clavister SG60 Series is designed to maximize ease of use and performance at an attractive price point.

- Three + Eight 1GbE Interfaces
- Stateful Firewall
- Supports both IPv4 and IPv6
- Deep Packet Inspection
- Built-in VPN – IPsec and SSL
- Intrusion Detection & Prevention (IDP)
- Web Content Filtering
- Anti-Virus
- Anti-Spam
- SIP/VoIP Support
- Traffic Management
- User Authentication
- Server Load Balancing
- Route Load Balancing
- Centralized management

## Remote Office challenges in a distributed enterprise

The distributed enterprises is a strategic and essential business imperative but the network and its applications may not have followed the speed of this development in regards to anywhere availability, security, and manageability of mission-critical applications. To address this the enterprises needs to have answers to the following challenges.

### Connectivity

When the enterprises have become more distributed, the networks have followed and has also become more complex than ever before. Many locations do not have the bandwidth required to handle the usage of online and heavy applications that are being employed.

### Security

The attacks against enterprises have become more sophisticated and are often targeted at the weakest link in the organization such as the remote offices. Due to the sophistication of today's attacks, they are often successful because they fall "between the cracks" of traditional point security products.

### Manageability

The distributed organizations must respond quickly to competitive and market changes and therefor often has a patchwork of deployed technologies and management consoles that can not communicate with each other.

### Total Cost of Ownership

Products that are being used in a distributed environment is often deployed to solve immediate requirements but they may not be chosen to control the cost efficiencies in the organisation. ROI is the common metric that is being used but other efficiencies that are more impactful are often neglected.

## Clavister SG60 Series Highlights

### Clavister CorePlus

At the heart of the Clavister SG60 Series, lays Clavister CorePlus – our in-house developed, high-performance security network operating system. Every line of code is crafted to ensure that it delivers maximum performance at all times.

### Flexibility and Adaptability

Not all networks are created equally. The vast difference in network configurations requires a network security gateway to be able to accommodate these differences. Clavister SG60 Series gives you the freedom to set routing policies with extreme granularity. A large number of parameters can be used to construct policy roles to meet even the most demanding network installation.

### Big on Performance - Low on Maintenance

Clavister SG60 Series share a common trait with all other Clavister products with its support for Clavister Service Provisioning Network (CSPN). This high-speed network ensures that the Security Gateway is always up-to-date and it gives system administrators the freedom to concentrate on running their network.

### Management Options

Regardless if you choose a centralized management solution, if you use the built-in web-based management solution or if you use the command-line interface, the Clavister SG60 Series products and services are managed in the same way.

### Rich on Security

By integrating best-in-class Intrusion Detection and Prevention (IDP), Anti-Virus, Anti-Spam and Web Content Filtering with a stateful firewall with deep packet inspection, IPsec and SSL VPN connectivity, the Clavister SG60 Series is able to protect your organization against everything from network layer attacks to application layer threats.

### Low Total Cost of Ownership

With our unique combination of integrated security features, award-winning service and support, and its powerful administration system provide the best possible price/performance ratio with a low Total Cost of Ownership (TCO).

## Clavister SG60 Series Specifications

Performance	Clavister SG60	Clavister SG60 Pro
<b>Firewall Performance (Mbps)</b>	200	400
<b>VPN Performance (Mbps)</b>	40	80
<b>Concurrent Connections</b>	8,000	64,000
<b>Concurrent VPN Tunnels (SSL/IPsec)</b>	50/50	250/250
<b>Virtual Interfaces (VLAN 802.1q)</b>	16	128
<b>Virtual Routers</b>	5	10
<b>Ethernet Interfaces</b>	3 x 1GbE + 8 x 1GbE Switch	
<b>Features</b>		
<b>Mode of operations</b>	Layer 2 Mode (Transparent/Route Mode)    Policy-Based NAT/PAT    Policy-Based Server Load Balancing    Virtual IP	
<b>Routing</b>	Static Routing/Source-Based Routing    Policy-Based Routing (PBR)    OSPF/OSPF over VPN    Multicast – IGMP    GRE	
<b>Application Layer Gateways</b>	FTP/TFTP    SIP/H.323 with NAT/SAT Support    HTTP    SMTP/POP3	
<b>User Authentication</b>	LDAP Authentication    (Multiple) External RADIUS Database servers    RADIUS Accounting    CHAP    PAP    Web-Based Authentication    Configurable HTTP/HTTPS Front-End    xAuth VPN Authentication    MAC Address Authentication	
<b>Firewall</b>	Stateful Firewall    Deep Packet Inspection    Network Attack Detection/Prevention    DoS and DDoS Detection/Prevention    TCP Reassembly	
<b>High Availability</b>	Firewall and VPN State Synchronization    Device Failure Detection    Dead Link    Gateway and Interface Detection    Route/Interface Failover    Average Failover Time (< 800 ms)	
<b>Virtual Private Network (IPsec)</b>	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    Self-Signed Certificates    IPsec NAT Traversal (NAT-T)    IPsec Tunnel Keep-Alive    L2TP Client    L2TP Server (LNS)    PPTP Client    PPTP Server (PNS)    VPN Policy Selection Through Firewall Rule Set, Routing, PBR)	
<b>IPv6 Support</b>	Ethernet and VLAN interfaces (Static IPv6 Address Assignment)    IP Rules (ALLOW, DROP and REJECT)    Neighbor Discovery    IPv6 Routing/Policy-Based Routing    ICMPv6	
<b>IP Address Assignment</b>	Static    DHCP Client (Server & Relay)    Proxy ARP    PPPoE	
<b>Log Monitoring</b>	Syslog Support    Log Export (CSV) 1    Real-Time Performance Monitoring    SNMP	
<b>Traffic Management</b>	Policy-Based Bandwidth Management    Guaranteed Maximum Bandwidth    Dynamic Bandwidth Balancing    Priority Levels	
<b>Intrusion Detection and Prevention</b>	Stateful Pattern Matching    Protocol/Rate Anomaly    Insertion/Evasion Protection    Dynamic IP Blacklisting    Automatic Signature Updates    Stateful Signatures    Component-Based Signatures    Application Blocking	
<b>Security Management</b>	Clavister InControl Support 1    Clavister Web Management    Local Console (RS232/SSH)    Command-Line Remote Management    Remote Fail-Safe Operations	
<b>Virtual Private Network (TLS/SSL VPN)</b>	One-Time Client Installation    Browser Independent    VPN Policy Selection Through Firewall Rule Set    Routing    PBR	
<b>Content Security</b>	Web Content Filtering - Audit/Blocking Mode    Classification Categories (32)    URL Whitelisting/Blacklisting Anti-Virus - Stream-Based Signatures    Automated Signature Updates    Per Devices Signature Service Anti-Spam - DNS Blacklisting	
<b>Hardware</b>		
<b>Form Factor</b>	Desktop, optional 19" rack mount kit available	
<b>Dimensions</b>	330 mm W x 44 mm H x 180 mm D (13" W x 1,73" H x 7,09" D)	
<b>Weight</b>	1,7 kg (3,75 lbs)	
<b>Power Supply</b>	100V-240V, 50 to 60 Hz AC, 0,5 A	
Power Consumption / Heat Dissipation	13 W / 45 BTU (Average)	
<b>Mean Time Between Failure (MTBF)</b>	140,532 hours	
<b>Operating temp / Relative humidity</b>	0° to 40° C (32° to 104° F) / 5% - 95%, non condensing	
<b>Regulatory Approvals</b>		
Safety / Approvals and compliance	CE / CE Class A	
<b>Warranty</b>	The Clavister SG60 Series come with a two (2) years standard RMA warranty and ninety (90) days Software maintenance covering all major and minor software releases counting from the earlier date of Product registration or ninety (90) days following shipment.	

### About Clavister

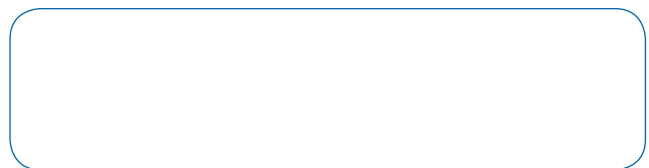
For over a decade, Clavister has been delivering leading network security solutions, providing commercial advantage to businesses worldwide. The Clavister family of Carrier Telecom Security Systems, unified threat management (UTM) appliances and remote access solutions provide innovative and flexible network security with world-class management and control. Clavister is a recognized pioneer in virtualization and cloud security. This complements its portfolio of hardware appliances delivering customers the ultimate choice of network security products. Clavister products are backed by Clavister's award-winning support, maintenance and training program.

To learn more, visit [www.clavister.com](http://www.clavister.com).

### Where to buy?

#### Sales Offices

[www.clavister.com/about-us/contact-us/worldwide-offices](http://www.clavister.com/about-us/contact-us/worldwide-offices)



CID: clavister-dts-clavister-sg60 (2011/11)

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