

## Collax Security Gateway

### Professional protection for your network

#### Information security for your next-generation network

The Collax Security Gateway is a unified threat management (UTM) solution. It combines all security functions in one product. It equally protects users, their network and their servers against threats from the Internet.

#### Secure and productive work on the network

Thanks to hierarchically structured filters, your company is reliably protected against spam and viruses. And it does so efficiently. Even the use of the internet can be secured easily and quickly with this solution. Thus websites can be blocked completely or access rights can be restricted according to users or time schedules. Downloads from the internet can be easily and securely limited with this Collax Security Gateway to minimize potential dangers. The option protection of encrypted data traffic (SSL interception) rounds off the the security concept.

#### Next-Generation Firewall

The Collax Security Gateway has a fully equipped stateful inspection firewall. The firewall rules can be efficiently administered thanks to grouping, graphical display and search functions. A country lock can prevent access from unwanted countries.

#### Connection of branches and external employees

To securely connect branch offices and mobile employees to the company's own company network, VPN (Virtual Private Networking) can be used as a communication channel. In addition to VPN according to the IPsec standard and to WireGuard for network connection, the Collax Security Gateway also provides SSL VPN. WireGuard and IPsec VPN are the first choice for secure site networking or the secure connection of "power users".

For granular user access authorizations, Collax offers SSL VPN as a solution, which provides secure access for users without additional installation and independent of the platform.

#### Optimal use of networks

With the Collax Security Gateway, we offer you different methods of optimal network usage. Thus, the brute force protection offers options for attack detection or defense. Modern network techniques such as link failover and traffic shaping ensure that applications can be used optimally even under high network load. Policy routing optimally distributes data traffic according to your wishes to the existing infrastructure. From a company wiki to an ERP, applications can be made accessible to your employees.

### Advantages

- Reliable protection through hardened firewall system
- Secured web access for users
- Clean email inboxes through email spam filters
- Inclusive virus filter for email and web traffic
- Convenient, secure remote access
- Optimized traffic policies for network traffic
- Efficient maintenance and monitoring for administrators
- Modern GUI

### System requirements

Minimum requirements:

- 64Bit X86 processor
- USB stick or CD/DVD ROM drive, bootable
- Hard disk from 16 GB, with V72 30 GB
- Min. 2x 1GB network interfaces
- RAM min. 1024 MB
- Only for installation: VGA-capable graphics card

## Technical Details

### Stateful Inspection Firewall

Stateful Inspection Packet Filter - Application Layer Firewall - Application Proxy for SMTP - DNS - NTP - VoIP Support (SIP, RTP) - Connection Tracking - Denial-of-Service Protection - Graphical Rule Management - Protection against Brute Force Attacks - Country lock

### VPN

VPN for mobile devices - Android, iOS, Windows - IPSec with X.509 certificates with IKEv1 and IKEv2 - WireGuard (net-to-net) - L2TP - VPN Wizard - Great interoperability - Certificate management and CRL management - CA for PKI - SSL VPN - DynVPN - Proposal according to BSI recommendation

### Web Browsing Security

Application proxy and virus filtering for web traffic - web blocker URL filtering - web traffic SSL interception - individual black, white lists - active content filter - anti-phishing - regulation by groups and time for application proxy - statistics and reports - user-based evaluation (optional)

### Email Security

Live Spam Protection - Email Greylisting - Cloud based Razor Check - Reputation Filter - DNS Cloud based DKIM and SPF Checks - Realtime Blackhole List & DNS Blacklists - Custom Black and White Lists - Zero Day Protection (Heuristics) - Trainable Bayes Filter - DNS Blacklists - Image and PDF Filter - Tar Pit Emulation - Header Filter and Attachment Filter - ClamAV Virus Protection integrated.

### Networking

Link and interface failover - Traffic shaping - Policy routing - Tagged VLAN - DMZ support - Virtual switching - Bridging - Performance and redundant link aggregation/teaming SNAT - DNAT - Masquerading - Port forwarding - MAC address monitoring

### Hardened operating system - Efficient management

Deterministic system - Binary files with exploit protection - Password policies - Central user and group management via LDAP - LDAP proxy - LDAP replica or Kerberos - Windows™ ActiveDirectory integration - SSO - Remote administration HTTPS - Update management for system, virus, spam and URL filters - Delegable administration - Integrated data backup - UPS support.

### Possible extensions

Avira Antivir - Surf Protection powered by Cobion

