

# Cyberoam CR25iNG UTM Firewall



Product Name: Cyberoam CR25iNG UTM Firewall

Manufacturer: Cyberoam

Model Number: CR25iNG

Please note: Total Value Subscription (TVS) includes: Anti Malware Anti-Spam, Web & Application Filter, Intrusion Prevention System, 8 x 5 Support, Hardware Warranty

## Cyberoam CR25iNG UTM Firewall

The Cyberoam CR25iNG UTM Firewall is a Next-Generation network security appliance that include UTM security features and performance required for future networks. The NGseries for SOHO offer &ldquo;the fastest UTM's made for SMB's&rdquo; to small offices. Cyberoam CR25iNG Features

- Offering &ldquo;the fastest UTM's made for SMB's&rdquo; to Small Offices
- Application Visibility & Control
- Instant Messaging Archiving & Controls
- Web Application Firewall
- HTTPS/SSL Content Security
- iView- Logging & Reporting

The Cyberoam CR25iNG UTM Firewall offers the best-in-class hardware along with software to match, enables the Cyberoam CR25iNG to offer unmatched throughput speeds, compared to any other UTM appliance in this market segment. This assures support for future IT trends in organizations like high-speed Internet and rising number of devices in organizations&ndash; offering future-ready security for small office networks. The Layer 8 Technology treats User-Identity as the 8th Layer or the HUMAN layer in the protocol stack. It attaches User-Identity to security, which adds speed to an organization's security by offering instant visibility into the source of attacks by username rather than only IP address. Cyberoam's Extensible Security Architecture (ESA) supports feature enhancements that can be developed rapidly and deployed with minimum efforts, offering future-ready security to organizations.

## Technical Specifications

### Interfaces

- 4 Copper GbE Ports
- Configurable Internal/DMZ/WAN Ports
- 1 Console Ports (RJ45)
- 2 USB Ports

## System Performance\*

- Firewall Throughput (UDP) (Mbps) 1,500
- Firewall Throughput (TCP) (Mbps) 1,500
- New sessions/second 5,000 Concurrent sessions 150,000
- IPSec VPN Throughput (Mbps) 210
- No. of IPSec Tunnels 100
- SSL VPN Throughput (Mbps) 75
- WAF Protected Throughput (Mbps) 45 Anti-Virus Throughput (Mbps) 300
- IPS Throughput (Mbps) 200
- UTM Throughput (Mbps) 110

## Stateful Inspection Firewall

- Wireless Standards - IEEE 802.11 a/b/g/n (WEP, WPA, WPA2, 802.11i, TKIP, AES, PSK)
- Antenna - Detachable 3x3 MIMO
- Access Points - Up to 8 bssid
- Transmit Power (EIRP) - 11n HT40 : +15dBm, 11b CCK: +15dBm, 11g OFDM: +15dBm
- Receiver Sensitivity - -68dBm at 300Mbps, -70dBm at 54Mbps, -88dBm at 6Mbps
- Frequency Range - 2.412 GHz - 2.472 GHz, 5.200 GHz - 5.825 GHz
- Number of Selectable Channels - USA (FCC) - 11 channels, EU (ETSI) / Japan (TELEC) - 13 channels
- Data Rate - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54Mbps, 802.11b: 1, 2, 5.5, 11Mbps, 802.11n: up to 450Mbps

## System Performance\*

- Firewall Throughput (UDP) - 1,000 (Mbps) Firewall Throughput (TCP) - 750 (Mbps)
- New sessions/second - 3,500
- Concurrent sessions - 60,000
- IPSec VPN Throughput - 110 (Mbps)
- No. of IPSec Tunnels - 50
- SSL VPN Throughput - 50 (Mbps)
- Anti-Virus Throughput - 180 (Mbps)
- IPS Throughput - 140 (Mbps)
- UTM Throughput - 80 (Mbps)

## Stateful Inspection Firewall

- Layer 8 (User - Identity) Firewall Multiple Security Zones Access Control Criteria (ACC) - User - Identity, Source & Destination Zone, MAC and IP address, Service UTM policies - IPS, Web Filtering, Application Filtering, Anti-Virus, Anti-Spam and Bandwidth Management Layer 7 (Application) Control & Visibility Access Scheduling Policy based Source & Destination NAT H.323, SIP NAT Traversal 802.1q VLAN Support DoS & DDoS Attack prevention MAC & IP-MAC filtering and Spoof prevention

## Gateway Anti-Virus & Anti-Spyware

- Virus, Worm, Trojan Detection & Removal
- Spyware, Malware, Phishing protection
- Automatic virus signature database update
- Scans HTTP, HTTPS, FTP, SMTP, POP3, IMAP, IM, VPN Tunnels
- Customize individual user scanning
- Scan and deliver by file size
- Block by file types
- Add disclaimer/signature

## Gateway Anti-Spam

- Inbound/Outbound Scanning
- Real-time Blacklist (RBL), MIME header check
- Filter based on message header, size, sender, recipient
- Subject line tagging
- IP address Black list/White list
- Redirect Spam mails to dedicated email address
- Image-based Spam filtering using RPD Technology
- Zero hour Virus Outbreak Protection

- Self Service Quarantine area
- Spam Notification through Digest
- IP Reputation-based Spam filtering

## Intrusion Prevention System

- Signatures: Default (4500+), Custom
- IPS Policies: Multiple, Custom
- User-based policy creation
- Automatic real-time updates from CRProtect networks
- Protocol Anomaly Detection
- DDoS attack prevention
- SCADA-aware IPS with pre-defined category for ICS and SCADA signatures

## Web Filtering

- Inbuilt Web Category Database
- URL, keyword, File type block
- Categories: Default(82+), Custom
- Protocols supported: HTTP, HTTPS
- Block Malware, Phishing, Pharming URLs
- Schedule-based access control
- Custom block messages per category
- Block Java Applets, Cookies, Active X
- CIPA Compliant
- Data leakage control via HTTP, HTTPS upload

## Application Filtering

- Inbuilt Application Category Database
- 11+ Application Categories: e.g. Gaming, IM, P2P
- Schedule-based access control
- Block
- P2P applications e.g. Skype
- Anonymous proxies e.g. Ultra surf
- "Phone home" activities
- Layer 7 (Applications) & Layer 8 (User - Identity) Visibility
- Securing SCADA Networks
- SCADA/ICS Signature-based Filtering for Protocols
- Modbus, DNP3, IEC, Bacnet, Omron FINS, Secure DNP3, Longtalk
- Control various Commands and Functions

## Web Application Firewall

- Positive Protection model
- Unique "Intuitive Website Flow Detector" technology
- Protection against SQL Injections, Cross-site Scripting (XSS), Session Hijacking, URL Tampering, Cookie Poisoning
- Support for HTTP 0.9/1.0/1.1
- Extensive Logging & Reporting

## Virtual Private Network

- IPSec, L2TP, PPTP
- Encryption - 3DES, DES, AES, Twofish, Blowfish, Serpent

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- HashAlgorithms - MD5, SHA-1
- Authentication - Preshared key, Digital certificates
- IPSec NAT Traversal
- Dead peer detection and PFS support
- Diffie Hellman Groups - 1,2,5,14,15,16
- External CertificateAuthority support
- Export Road Warrior connection configuration
- Domain name support for tunnel end points
- VPN connection redundancy
- Overlapping Network support
- Hub & Spoke VPN support

## SSL VPN

- TCP&UDPTunneling
- Authentication -Active Directory, LDAP, RADIUS Cyberoam
- Multi-layered ClientAuthentication - Certificate, Username/Password
- User & Group policy enforcement
- Network access - Split and Full tunneling
- Browser-based (Portal)Access - Clientless access
- Lightweight SSLVPN Tunneling Client
- Granular access control to all the Enterprise Network resources
- Administrative controls - Session timeout, Dead Peer Detection, Portal customization
- - TCP- basedApplicationAccess - HTTP, HTTPS, RDP, TELNET, SSH

## Instant Messaging (IM) Management

- Yahoo and Windows Live Messenger
- Virus Scanning for IM traffic
- Allow/Block Login
- Allow/Block File Transfer
- Allow/Block Webcam
- Allow/Block one-to-one/group chat
- Content-based blocking
- IM activities Log
- Archive files transferred
- Custom Alerts

## Wireless WAN

- USB port 3G/4G and Wimax Support
- Primary WAN link
- WAN Backup link

## Bandwidth Management

- Application and User Identity based Bandwidth Management
- Guaranteed & Burstable bandwidth policy
- Application & User Identity based Traffic Discovery
- Multi WAN bandwidth reporting
- Category-based bandwidth restriction

## User Identity and Group Based Controls

- Access time restriction

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- Time and Data Quota restriction
- Schedule based Committed and Burstable Bandwidth
- Schedule based P2P and IM Controls

## Networking

- Failover - Automated Failover/Failback, Multi-WAN failover, 3GModem failover
- WRR based load balancing
- Policy routing based on Application and User
- IP Address Assignment - Static, PPPoE, L2TP, PPTP & DDNS Client, Proxy ARP, DHCP server, DHCP relay
- Support for HTTP Proxy
- Dynamic Routing: RIP v1& v2, OSPF, BGP, Multicast Forwarding
- Parent Proxy support with FQDN
- &ldquo;IPv6 Ready&rdquo; Gold Logo

## High Availability

- Active-Active
- Active-Passive with State Synchronization
- Stateful failover
- Alerts on appliance status change

## Administration & System Management

- Web-based configuration wizard
- Role-based access control
- Firmware Upgrades via Web UI
- Web 2.0 compliant UI (HTTPS)
- UI Color Styler
- Command Line Interface (Serial, SSH, Telnet)
- SNMP (v1, v2c, v3)
- Multi-lingual support: Chinese, Hindi, French, Korean
- Cyberoam Central Console (Optional)
- Network Time Protocol Support

## User Authentication

- Internal database
- Active Directory Integration
- Automatic Windows Single Sign On
- External LDAP/RADIUS database integration
- Thin Client support - Microsoft Windows Server 2003
- Terminal Services and Citrix XenApp
- RSA SecurID support
- External Authentication - Users and Administrators
- User/MAC Binding
- Multiple Authentication servers

## Logging/Monitoring

- Graphical real-time logging and monitoring
- Syslog support
- Log Viewer - Firewall, IPS, Web filter, Anti Virus, Anti Spam, Authentication, System and Admin Events

## On-Appliance Cyberoam-i View Reporting

- Integrated Web-based Reporting tool - Cyberoam-iView
- 1000+ drilldown reports
- 45+ Compliance Reports
- Historical and Real-time reports
- Multiple Dashboards
- Username, Host, Email ID specific Monitoring Dashboard
- Reports - Security, Virus, Spam, Traffic, Policy violations, VPN, Search Engine keywords
- Multi-format reports - tabular, graphical
- Exportable formats - PDF, Excel
- Automated Report Scheduling

## IPSec VPN Client\*\*

- Inter-operability with major IPSec VPN Gateways
- Supported platforms: Windows 2000, WinXP 32/64-bit, Windows 2003 32-bit, Windows 2008 32/64-bit, Windows Vista 32/64-bit, Windows 7 RC1 32/64-bit
- Import Connection configuration

## Certification

- Common Criteria - EAL4+
- ICSAFirewall - Corporate
- Checkmark UTM Level 5 Certification
- VPNC - Basic and AES interoperability
- "IPv6 Ready" Gold Logo

## Hardware Specifications

- Memory 2GB
- Compact Flash 2GB
- HDD 250GB or higher

## Compliance

- CE
- FCC

## Dimensions

- H x W x D (inches) - 1.7 x 6 x 9.1
- H x W x D (cms) - 4.4 x 15.3 x 23.2
- Weight - 2.3kg, 5.07 lbs

## Power

- Input Voltage - 100-240 VAC
- Consumption - 33.5w
- Total Heat Dissipation (BTU) 114

## Environmental

- Operating Temperature - 0 to 40 °C

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- Storage Temperature -25 to 75 &deg;C
- Relative Humidity (Non condensing) 10 to 90%

**Price: £512.40**

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Options available for Cyberoam CR25iNG UTM Firewall :

## Licence

Not Required, [TVS 1 Year \(+£213.00\)](#), [TVS 3 Years \(+£489.00\)](#), [TVS 2 Years \(+£373.00\)](#).

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