

Cyberoam CR50iNG UTM Firewall



Product Name: Cyberoam CR50iNG UTM Firewall

Manufacturer: Cyberoam

Model Number: CR50iNG

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

Cyberoam CR50iNG UTM Firewall

The Cyberoam CR50iNG is the Next-Generation network security appliance that include UTM security and features required for future networks. The Cyberoam CR50iNG for SMEs are the "fastest UTMs" made for this segment. The best-in-class hardware along with software to match, enables the CR50iNG 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 – offering future-ready security to SMEs.

- Copper GbE Ports 3
- Firewall throughput (UDP) (Mbps) 1,000
- Concurrent sessions 60,000
- Anti-Virus throughput (Mbps) 180

With the Cyberoam NG series, businesses get assured Security, Connectivity and Productivity. 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.

Cyberoam CR50iNG UTM Firewall Technical Specifications

Interfaces

- Copper GbE Ports 3
- Configurable Internal/DMZ/WAN Ports Yes
- Console Ports (RJ45) 1
- USB Ports 2

System Performance

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

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 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
- IP Reputation-based Spam filtering
- Spam notification through digest

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 signature

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

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- Block JavaApplets, 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

Virtual Private Network

- IPSec, L2TP, PPTP
- Encryption - 3DES, DES, AES, Twofish, Blowfish, Serpent
- Hash Algorithms - 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 Certificate Authority 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 & UDP Tunneling
- Authentication - Active Directory, LDAP, RADIUS, Cyberoam
- Multi-layered Client Authentication - 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-based Application Access - 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
- CustomAlerts

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
- 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
- "IPv6 Ready" Gold Logo

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

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- 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 - Novell eDirectory
- 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

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+
- ICSA Firewall - Corporate
- Checkmark UTM Level 5 Certification
- VPNC - Basic and AES interoperability
- "IPv6 Ready" Gold Logo

Hardware Specifications

- Memory 2GB
- Compact Flash 4GB

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 1.5 kg, 3.307 lbs

Power

- Input Voltage 100-240 VAC
- Consumption 13.2W
- Total Heat Dissipation (BTU) 45

Environmental

Cyberoam CR50iNG UTM Firewall

- Operating Temperature 0 to 40 °C
- Storage Temperature 10 to 90%
- Relative Humidity (Non condensing) 10 to 90%

Price: £1,051.10

Options available for Cyberoam CR50iNG UTM Firewall :

Licence

TVS 3 Years (+£1,484.00), Not Required, TVS 2 Years (+£1,130.00), TVS 1 Year (+£645.00).