

Cyberoam CR15wiNG UTM Firewall 3x3 MIMO technology



Product Name: Cyberoam CR15wiNG UTM Firewall 3x3 MIMO technology

Manufacturer: Cyberoam

Model Number: CR15wiNG

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

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Cyberoam CR15wiNG UTM Firewall is the Next-Generation Unified Threat Management appliance with Wi-Fi access points that offer "the fastest UTMs made for SMBs"; to small offices with high performance security over WLAN. The CR15wiNG appliances come with 3x3 MIMO technology that greatly enhances wireless range and performance. It supports 802.11a/b/g/n wireless standards. Cyberoam CR15wiNG Features

- 3x3 MIMO technology
- 3G/4G/WiMAX Connectivity
- Bandwidth Management
- HTTPS/SSL Content Security
- Multiple Link Management

Combined with security over wired networks offered by its range of UTM appliances, Cyberoam enables organizations to overcome the physical limitations of securely accessing network resources and offers more user flexibility, user productivity and lower network ownership costs. The best-in-class hardware along with software to match, enables the NG series 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 for small office networks. Cyberoam's Layer 8 technology that treats user-identity as the 8th Layer or the HUMAN layer in the protocol stack, works even in WLAN environments, to allow Identity-based security policies in dynamic IP environment.

Technical Specifications
Interfaces

- 3 Copper GbE Ports
- Configurable
- Internal/DMZ/WAN Ports
- 1 Console Ports (RJ45/DB9)
- 2 USB Ports

Built-in Wireless LAN

- 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 NATTraversal - 802.1q VLAN Support - DoS & DDoSAttack prevention - MAC & IP-MAC filtering and Spoof prevention

GatewayAnti-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

GatewayAnti-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

Intrusion Prevention System

- Signatures: Default (4500+), Custom
- IPS Policies: Multiple, Custom
- User-based policy creation
- Automatic real-time updates from CRProtect networks
- ProtocolAnomaly 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 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, Proxy
- 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
- 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

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
- 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 onApplication 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)
- NTP 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

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

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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 - 1.5kg, 3.307 lbs

Power

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

Environmental

- Operating Temperature - 0 to 40 °C
- Storage Temperature - -25 to 75 °C
- Relative Humidity (Non condensing) 10 to 90%

Price: £395.70

Options available for Cyberoam CR15wiNG UTM Firewall 3x3 MIMO technology :

Licence

TVS 1 Year (+£109.00), TVS 2 Years (+£200.00), Not Required, TVS 3 Years (+£278.00).