Cyberoam CR10wiNG UTM Firewall 3x3 MIMO technology



Product Name: Cyberoam CR10wiNG UTM Firewall 3x3 MIMO technology
Manufacturer: -
Model Number: CR10wiNG

Please Note: This product has been discontinued. Please see the Sophos XG Firewall XG86W Wifi Appliance.

Please note: Total Value Subscription (TVS) includes: Anti Malware Anti-Spam, Web & Application Filter, Intrusion Prevention System, 8 x 5 Support, Hardware Warranty. If you do not want to purchase a (TVS) Licence please contact us for additional options.

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The Cyberoam CR10wiNG UTM Firewall 3x3 MIMO technology is the Next Generation Unified Threat Management appliance with Wi-Fi access points that offer “the fastest UTMs made for SMBs” too small offices with high-performance security over WLAN. Combined with security over wired networks offered by its range of UTM appliances.
Cyberoam CR10wiNG UTM Firewall Features

ï¿½ Network Security - Firewall / Intrusion Prevention System / Wireless Security
ï¿½ Future-ready Connectivity - "IPv6 Ready" Gold Logo
ï¿½ Business Continuity - Multiple Link Management
ï¿½ Employee Productivity - Content Filtering
ï¿½ Network Availability - VPN/3G/4G/WiMAX Connectivity

Cyberoam enables organisations to overcome the physical limitations of securely accessing network resources and offers more user flexibility, user productivity and reduced network ownership costs.The best-in-class hardware along with software to match, enables the NG series appliances to offer unmatched throughput speeds, compared to any other UTM appliance in this market segment. This assures support for future IT trends in organisations like high-speed Internet and rising number of devices – offering future-ready security to 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.
Cyberoam CR10wiNG - Technical Specifications
Interfaces

ï¿½ Copper GbE Ports 3
ï¿½ Configurable
ï¿½ Internal/DMZ/WAN Ports Yes
ï¿½ Console Ports (RJ45/DB9) 1
ï¿½ USB Ports 2

Built-in Wireless LAN

ï¿½ Wireless Standards - IEEE 802.11 a/b/g/n (WEP, WPA, WPA2, 802.11i , TKIP, AES, PSK
ï¿½ Antenna - Detachable 2x2 MIMO
ï¿½ Transmit Power

ï¿½ 802.11a: 12dBm ± 2dBm802.11b: 17dBm ± 2dBm802.11g: 16dBm ± 2dBm802.11an (HT20): 12dBm ± 2dBm@MCS7802.11an (HT40): 11dBm ± 2dBm@MCS7802.11gn (HT20): 15dBm ± 2dBm@MCS7802.11gn (HT40): 14dBm ± 2dBm@MCS7

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ï¿½ Receiver Sensitivity

ï¿½ 802.11a: ≤ -76dBm@54Mbps802.11b: ≤ -85dBm@11Mbps802.11g: ≤ -76dBm@54Mbps802.11gn (HT20): ≤ -75dBm@MCS7802.11gn (HT40): ≤ -72dBm@MCS7802.11an (HT20): ≤ -74dBm@MCS7802.11an (HT40): ≤ -71dBm@MCS7

ï¿½ Frequency Range

ï¿½ 2.412 GHz - 2.472 GHz, 5.200 GHz -5.825 GHz

ï¿½ Data Rate

ï¿½ 11a: Up to 54Mbps11b: Up to 11Mbps11g: Up to 54Mbps11n: Up to 300Mbp

System Performance*

ï¿½ Firewall Throughput (UDP) - 400 (Mbps)
ï¿½ Firewall Throughput (TCP) -300 (Mbps)
ï¿½ New sessions/second - 2,000
ï¿½ Concurrent sessions - 27,500
ï¿½ IPSec VPN Throughput - 100 (Mbps)
ï¿½ No. of IPSec Tunnels - 25
ï¿½ SSL VPN Throughput - 25 (Mbps)
ï¿½ Anti-Virus Throughput - 100 (Mbps)
ï¿½ IPS Throughput - 90 (Mbps)
ï¿½ UTM Throughput - 60 (Mbps)

Stateful Inspection Firewall

ï¿½ Layer 8 (User Identity) Firewall
ï¿½ Multiple Security Zones
ï¿½ Access Control Criteria (ACC) User Identity, Source & Destination Zone, MAC and IP address, Service
ï¿½ UTM policies IPS, Web Filtering, Application Filtering, Anti-Virus, Anti-Spam and Bandwidth Management
ï¿½ Layer 7 (Application) Control & Visibility
ï¿½ Access Scheduling
ï¿½ Policy based Source & Destination NAT
ï¿½ H.323, SIP NATTraversal
ï¿½ 802.1q VLAN Support
ï¿½ DoS & DDoS Attack prevention
ï¿½ MAC & IP-MAC filtering and Spoof prevention

Gateway Anti-Virus & Anti-Spyware

ï¿½ Virus, Worm, Trojan Detection & Removal
ï¿½ Spyware, Malware, Phishing protection
ï¿½ Automatic virus signature database update
ï¿½ Scans HTTP, HTTPS, FTP, SMTP/S, POP3, IMAP, IM, VPN Tunnels

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ï¿½ Customize individual user scanning
ï¿½ Scan and deliver by file size
ï¿½ Block by file types
ï¿½ Add disclaimer/signature

Gateway Anti-Spam

ï¿½ Inbound Scanning
ï¿½ Real-time Blacklist (RBL), MIME header check
ï¿½ Filter based on message header, size, sender, recipient
ï¿½ Subject line tagging
ï¿½ IPaddress Black list/White list
ï¿½ Redirect Spam mails to dedicated email address
ï¿½ Image-based Spam filtering using RPD Technology
ï¿½ Zero hour Virus Outbreak Protection
ï¿½ IP Reputation-based Spam filtering

Intrusion Prevention System

ï¿½ Signatures: Default, Custom
ï¿½ IPS Policies: Multiple, Custom
ï¿½ User-based policy creation
ï¿½ Automatic Signature updates
ï¿½ Protocol Anomaly Detection
ï¿½ DDoS attack prevention
ï¿½ SCADA-aware IPS with pre-defined category for ICS and SCADA signatures

Web Filtering

ï¿½ On-cloud Web Category Database
ï¿½ URL, keyword, File type block
ï¿½ Categories: Default(89+), Custom
ï¿½ Protocols supported: HTTP, HTTPS
ï¿½ Block Malware, Phishing, Pharming URLs
ï¿½ Schedule-based access control
ï¿½ Visibility and Controls for HTTPS based Micro-Apps like Facebook chat, Youtube video upload
ï¿½ Custom block messages per category
ï¿½ Block Java Applets, Cookies, Active X
ï¿½ CIPA Compliant
ï¿½ Data leakage control via HTTP, HTTPS upload

Application Filtering

ï¿½ Inbuilt Application Category Database
ï¿½ Schedule-based access control
ï¿½ Block

ï¿½ Proxy and Tunnel
ï¿½ File Transfer
ï¿½ Social Networking
ï¿½ Streaming Media
ï¿½ Storage and Backup

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ï¿½ Layer 7 (Applications) & Layer 8 (User - Identity) Visibility
ï¿½ Securing SCADA Networks

ï¿½ SCADA/ICS Signature-based Filtering for Protocols -Modbus, DNP3, IEC, Bacnet, Omron FINS, SecureDNP3, Longtalk

ï¿½ Control various Commands and Functions

Virtual Private Network

ï¿½ IPSec, L2TP, PPTP
ï¿½ Encryption - 3DES, DES, AES, Twofish, Blowfish, Serpent
ï¿½ Hash Algorithms - MD5, SHA-1
ï¿½ Authentication - Preshared key, Digital certificates
ï¿½ IPSec NAT Traversal
ï¿½ Dead peer detection and PFS support
ï¿½ Diffie Hellman Groups - 1,2,5,14,15,16
ï¿½ External Certificate Authority support
ï¿½ Export Road Warrior connection configuration
ï¿½ Domain name support for tunnel end points
ï¿½ VPN connection redundancy
ï¿½ Overlapping Network support
ï¿½ Hub & Spoke VPN support

SSLVPN

ï¿½ TCP&UDPTunneling
ï¿½ Authentication - Active Directory, LDAP, RADIUS, Cyberoam
ï¿½ Multi-layered Client Authentication - Certificate,Username/Password
ï¿½ User &Group policy enforcement
ï¿½ Network access - Split and Full tunneling
ï¿½ Browser-based (Portal)Access - Clientless access
ï¿½ Lightweight SSLVPN Tunneling Client
ï¿½ Granular access control to all the Enterprise Networkresources
ï¿½ Administrative controls - Session timeout, Dead PeerDetection, Portal customization
ï¿½ TCP- based Application Access - HTTP, HTTPS, RDP, TELNET, SSH

Instant Messaging (IM) Management

ï¿½ Yahoo and Windows Live Messenger
ï¿½ Virus Scanning for IM traffic
ï¿½ Allow/Block Login
ï¿½ Allow/Block File Transfer
ï¿½ Allow/Block Webcam
ï¿½ Allow/Block one-to-one/group chat
ï¿½ Content-based blocking
ï¿½ IM activities Log
ï¿½ Archive files transferred
ï¿½ Custom Alerts

Wireless WAN

ï¿½ USB port 3G/4G and WiMAX Support
ï¿½ Primary WAN link

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ï¿½ WAN Backup link

Bandwidth Management

ï¿½ Application and User Identity based Bandwidth Management
ï¿½ Guaranteed & Burstable bandwidth policy
ï¿½ Application & User Identity based Traffic Discovery
ï¿½ Multi WAN bandwidth reporting
ï¿½ Category-based bandwidth restriction

User Identity and Group Based Controls

ï¿½ Access time restriction
ï¿½ Time and Data Quota restriction
ï¿½ Schedule based Committed and Burstable Bandwidth
ï¿½ Schedule based P2Pand IM Controls

Networking

ï¿½ Failover - Automated Failover/Failback, Multi-WAN failover, 3GModem failover
ï¿½ WRR based load balancing
ï¿½ Policy routing based on Application and User
ï¿½ IP Address Assignment - Static, PPPoE, L2TP, PPTP & DDNSClient, Proxy ARP, DHCP server, DHCP relay
ï¿½ Support for HTTPProxy
ï¿½ Dynamic Routing: RIP v1& v2, OSPF, BGP, PIM-SIM, MulticastForwarding
ï¿½ Parent Proxy support with FQDN
ï¿½ “IPv6 Ready” Gold Logo

Administration & System Management

ï¿½ Web-based configuration wizard
ï¿½ Role-based access control
ï¿½ Firmware Upgrades via Web UI
ï¿½ Web 2.0 compliant UI (HTTPS)
ï¿½ UI Color Styler
ï¿½ Command Line Interface (Serial, SSH, Telnet)
ï¿½ SNMP(v1, v2c, v3)
ï¿½ Multi-lingual support: Chinese, Hindi, French, Korean
ï¿½ Cyberoam Central Console (Optional)
ï¿½ NTPSupport

User Authentication

ï¿½ Internal database
ï¿½ Active Directory Integration
ï¿½ Automatic Windows/RADIUS Single Sign On
ï¿½ External LDAP/RADIUS database integration
ï¿½ Thin Client support - Microsoft Windows Server 2003
ï¿½ 2-factor authentication: 3rd party support**

ï¿½ Terminal Services and Citrix XenApp

ï¿½ External Authentication - Users and Administrators

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ï¿½ User/MAC Binding
ï¿½ Multiple Authentication servers

Logging/Monitoring

ï¿½ Graphical real-time logging and monitoring
ï¿½ Syslog support
ï¿½ Log Viewer - Firewall, IPS, Web filter, Anti Virus, Anti Spam,

ï¿½ Authentication, System and Admin Events

IPSec VPN Client***

ï¿½ Inter-operability with major IPSec VPN Gateways
ï¿½ Supported platforms: Windows 2000, WinXP 32/64-bit,

ï¿½ Windows 2003 32-bit, Windows 2008 32/64-bit, Windows Vista 32/64-bit, Windows 7 32/64-bit

ï¿½ Import Connection configuration

Certification

ï¿½ ICSAFirewall - Corporate
ï¿½ Checkmark UTM Level 5 Certification
ï¿½ VPNC - Basic and AES interoperability
ï¿½ “IPv6 Ready” Gold Logo

Hardware Specifications

ï¿½ Memory 1GB
ï¿½ Storage 4GB

Compliance

ï¿½ CE
ï¿½ FCC

Dimensions

ï¿½ H x W x D (inches) - 1.35 x 8.75 x 6.8
ï¿½ H x W x D (cms) - 3.43 x 22.23 x 17.3
ï¿½ Weight - 1.10 kg, 2.42 lbs

Power

ï¿½ Input Voltage - 100-240 VAC
ï¿½ Consumption - 22W
ï¿½ Total Heat Dissipation (BTU) 75

Environmental

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ï¿½ OperatingTemperature 0 to 40 °C
ï¿½ StorageTemperature -25 to 75 °C
ï¿½ Relative Humidity (Non condensing) 10 to 90%

Please Enquire

Options available for Cyberoam CR10wiNG UTM Firewall 3x3 MIMO technology :

TVS Licence Required?

Not Required, 1 Year Licence - TVS-10wiNG-F12 (+£134.90), 2 Year Licence - TVS-10wiNG-F24 (+£236.10), 3 Year Licence - TVS-10wiNG-F36 (+£309.50).