Cyberoam CR100iNG UTM Firewall

Product Name: Cyberoam CR100iNG UTM Firewall
Manufacturer: -
Model Number: CR100iNG

Please Note: This product has been discontinued. Please see the Sophos XG Firewall XG230 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.

Cyberoam CR100iNG UTM Firewall
The Cyberoam CR100iNG can offer unmatched throughput speeds, compared to any other UTM appliance in this market segment. The CR100iNG is a Next-Generation network security appliance that includes UTM security. The Cyberoam CR100iNG for SMEs is the “fastest UTM” made for this segment.
Cyberoam CR100iNG Key Features

ï¿½ Copper GbE Ports 8
ï¿½ Firewall throughput (UDP) (Mbps) 4,500
ï¿½ Concurrent sessions 1,250,000
ï¿½ Anti-Virus throughput (Mbps) 1,400

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 organisations.
Cyberoam CR100iNG UTM Firewall Technical Specifications
Interfaces

ï¿½ Copper GbE Ports 8
ï¿½ Configurable Internal/DMZ/WAN Ports Yes
ï¿½ Console Ports (Rj45) 1
ï¿½ USB Ports 2
ï¿½ Hardware Bypass Segment 2

System Performance

ï¿½ Firewall Throughput (UDP) (Mbps) 4,500
ï¿½ Firewall Throughput (TCP) (Mbps) 3,500
ï¿½ New sessions/second 45,000
ï¿½ Concurrent sessions 1,250,000
ï¿½ IPSec VPN Throughput (Mbps) 450
ï¿½ No. of IPSec Tunnels 250
ï¿½ SSLVPN Throughput (Mbps) 400
ï¿½ WAF Protected Throughput (Mbps) 500
ï¿½ Anti-Virus Throughput (Mbps) 1400
ï¿½ IPS Throughput (Mbps) 1,200
ï¿½ UTM Throughput (Mbps) 750

Cyberoam CR100iNG UTM Firewall

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 & DDoSAttack prevention
ï¿½ MAC & IP-MAC filtering and Spoof prevention

GatewayAnti-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, POP3, IMAP, IM,VPN Tunnels
ï¿½ Customize individual user scanning
ï¿½ Self Service Quarantine area
ï¿½ Scan and deliver by file size
ï¿½ Block by file types
ï¿½ Add disclaimer/signature

GatewayAnti-Spam

ï¿½ Inbound/Outbound 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 IP address 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 Self Service Quarantine area
ï¿½ Spam Notification through Digest
ï¿½ IP Reputation-based Spam filtering

Intrusion Prevention System

ï¿½ Signatures: Default (4500+), Custom
ï¿½ IPS Policies: Multiple, Custom
ï¿½ User-based policy creation
ï¿½ Automatic real-time updates from CRProtect networks
ï¿½ ProtocolAnomaly Detection
ï¿½ DDoS attack prevention
ï¿½ SCADA-aware IPS with pre-defined category for ICS and
ï¿½ SCADAsignatures

Web Filtering

Cyberoam CR100iNG UTM Firewall

ï¿½ Inbuilt Web Category Database
ï¿½ URL, keyword, File type block
ï¿½ Categories: Default(82+), Custom
ï¿½ Protocols supported: HTTP, HTTPS
ï¿½ Block Malware, Phishing, Pharming URLs
ï¿½ Schedule-based access control
ï¿½ Custom block messages per category
ï¿½ Block JavaApplets, Cookies,Active X
ï¿½ CIPA Compliant
ï¿½ Data leakage control via HTTP, HTTPS upload

Application Filtering

ï¿½ InbuiltApplication Category Database
ï¿½ 11+ Application Categories: e.g. Gaming, IM, P2P
ï¿½ Schedule-based access control
ï¿½ Block
ï¿½ P2P applications e.g. Skype
ï¿½ Anonymous proxies e.g. Ultra surf
ï¿½ “Phone home” activities
ï¿½ Layer 7 (Applications) & Layer 8 (User - Identity) Visibility
ï¿½ Securing SCADA Networks
ï¿½ SCADA/ICS Signature-based Filtering for Protocols
ï¿½ Modbus, DNP3, IEC, Bacnet, Omron FINS, SecureDNP3, Longtalk
ï¿½ Control various Commands and Functions

Web Application Firewall

ï¿½ Positive Protection model
ï¿½ Unique "Intuitive Website Flow Detector" technology
ï¿½ Protection against SQL Injections, Cross-site Scripting(XSS), Session Hijacking, URL Tampering, CookiePoisoning
ï¿½ Support for HTTP 0.9/1.0/1.1
ï¿½ Extensive Logging & Reporting

Virtual Private Network

ï¿½ IPSec, L2TP, PPTP
ï¿½ Encryption - 3DES, DES, AES, Twofish, Blowfish,Serpent
ï¿½ HashAlgorithms - MD5, SHA-1
ï¿½ Authentication - Preshared key, Digital certificates
ï¿½ IPSec NATTraversal
ï¿½ Dead peer detection and PFS support
ï¿½ Diffie Hellman Groups - 1,2,5,14,15,16
ï¿½ External CertificateAuthority 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

SSL VPN

ï¿½ TCP & UDPTunneling

Cyberoam CR100iNG UTM Firewall

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 CustomAlerts

Wireless WAN

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

Bandwidth Management

ï¿½ Application and User Identity based BandwidthManagement
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 P2P and IM Controls

Networking

ï¿½ Failover - Automated Failover/Failback, Multi-WANfailover, 3GModem failover
ï¿½ WRR based load balancing
ï¿½ Policy routing based onApplication and User
ï¿½ IP Address Assignment - Static, PPPoE, L2TP, PPTP &DDNS Client, ProxyARP, DHCP server, DHCP relay
ï¿½ Support for HTTP Proxy
ï¿½ Dynamic Routing: RIP v1& v2, OSPF, BGP, MulticastForwarding
ï¿½ Parent Proxy support with FQDN
ï¿½ “IPv6 Ready”Gold Logo

Cyberoam CR100iNG UTM Firewall

High Availability

ï¿½ Active-Active
ï¿½ Active-Passive with State Synchronization
ï¿½ Stateful failover
ï¿½ Alerts on appliance status change

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 Network Time Protocol Support

UserAuthentication

ï¿½ Internal database
ï¿½ Active Directory Integration
ï¿½ Automatic Windows Single Sign On
ï¿½ External LDAP/RADIUS database integration
ï¿½ Thin Client support - Microsoft Windows Server 2003Terminal Services and Citrix XenApp - Novell eDirectory
ï¿½ RSASecurID support
ï¿½ ExternalAuthentication - Users andAdministrators
ï¿½ User/MAC Binding
ï¿½ MultipleAuthentication servers

Logging/Monitoring

ï¿½ Graphical real-time and historical monitoring
ï¿½ Email notification of reports, gateway status, viruses andattacks
ï¿½ Syslog support
ï¿½ Log Viewer - Firewall, IPS, Web filter, Anti Virus, AntiSpam,Authentication, System andAdmin Events

On-Appliance Cyberoam-iView Reporting

ï¿½ Integrated Web-based Reporting tool -Cyberoam-iView
ï¿½ 1000+ drilldown reports
ï¿½ 45+ Compliance Reports
ï¿½ Historical and Real-time reports
ï¿½ Multiple Dashboards
ï¿½ Username, Host, Email ID specific MonitoringDashboard
ï¿½ Reports - Security, Virus, Spam, Traffic, Policyviolations, VPN, Search Engine keywords
ï¿½ Multi-format reports - tabular, graphical
ï¿½ Exportable formats - PDF, Excel
ï¿½ Automated Report Scheduling

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IPSec VPN Client**

ï¿½ Inter-operability with major IPSec VPN Gateways
ï¿½ Supported platforms: Windows 2000, WinXP 32/64-bit,Windows 2003 32-bit, Windows 2008 32/64-bit, WindowsVista 32/64-bit, Windows 7 RC1 32/64-bit
ï¿½ Import Connection configuration

Certification

ï¿½ Common Criteria - EAL4+
ï¿½ ICSAFirewall - Corporate
ï¿½ Checkmark UTM Level 5 Certification
ï¿½ VPNC - Basic andAES interoperability
ï¿½ “IPv6 Ready”Gold Logo

Hardware Specifications

ï¿½ Memory 2GB
ï¿½ Compact Flash 4GB
ï¿½ HDD 250GB or higher

Compliance

ï¿½ CE
ï¿½ FCC
ï¿½ UL

Dimensions

ï¿½ H x W x D (inches) 1.7 x 14.6 x 17.3
ï¿½ H x W x D (cms) 4.4 X 37.2 X 44
ï¿½ Weight 5 kg, 11.02 lbs

Power

ï¿½ Input Voltage 100-240 VAC
ï¿½ Consumption 99W
ï¿½ Total Heat Dissipation (BTU) 338

Environmental

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

Please Enquire

Options available for Cyberoam CR100iNG UTM Firewall :

TVS Licence Required?

Not Required,

Cyberoam CR100iNG UTM Firewall

1 Year License - TVS-PRC-0100iNG-01 (+£1,365.50), 2 Year License - TVS-PRC-0100iNG-02 (+£2,392.20), 3 Year License - TVS-PRC-0100iNG-03 (+£3,140.70).