

## Cyberoam CR2500iNG UTM Firewall



Product Name: Cyberoam CR2500iNG UTM Firewall

Manufacturer: -

Model Number: CR2500iNG

Please Note: This product has been discontinued. Please see the Sophos XG Firewall XG650 Appliance.

### Cyberoam CR2500iNG UTM Firewall

The Cyberoam CR2500iNG UTM Firewall offers Next-Generation Firewall (NGFW) capabilities with high performance. The Cyberoam CR2500iNG UTM Firewall offers inline application inspection and control, HTTPS inspection, Intrusion Prevention System, malware protection, secure remote access via VPN (IPSec and SSL) and granular bandwidth controls. The inline Layer 8 Identity-based controls with on-appliance reporting offer complete control & real-time visibility over user and network activities. Features

- 14x10/100/1000 Ethernet ports
- 4x1GbE SFP(Mini GBIC) Ports
- 2 x 10GbE SFP(Mini GBIC) Ports
- 36000 Mbps Firewall Throughput
- 4000 Mbps UTM Throughput

Based on best-in-class hardware along with software to match, the NG series enables unprecedented throughput speeds for future-ready security in large enterprise networks. The Cyberoam NG series for large enterprises offer assured Security, Connectivity and Productivity. Its Extensible Security Architecture(ESA) supports feature enhancements that can be developed rapidly and deployed with minimum efforts, offering future-ready security to organisations.

Cyberoam CR2500iNG UTM Firewall - Technical Specifications  
Interfaces

- Copper GBE Ports 141GbE SFP(Mini GBIC) Ports 410GbE SFP(Mini GBIC) Ports
- 2Configurable Internal/DMZ/WAN Ports Yes Console Ports (RJ45) 1USB Ports 2Hardware Bypass Segments 2RAID 1 (with two disk) Yes

### System Performance\*

- Firewall Throughput (UDP) (Mbps) 40,000
- Firewall Throughput (TCP) (Mbps) 28,000
- New sessions/second 200,000
- Concurrent sessions 3,500,000
- IPSec VPN Throughput (Mbps) 8,000
- No. of IPSecTunnels 3,000
- SSLVPN Throughput (Mbps) 1,000
- WAF Protected Throughput (Mbps) 1,000
- Anti-Virus Throughput (Mbps) 6,000
- IPS Throughput (Mbps) 6,000
- UTM throughput (Mbps) 4,500

### Stateful Inspection Firewall

- Layer 8 (User - Identity) Firewall
- Multiple Security Zones
- Access Control Criteria (ACC) - User - Identity, Source & Destination Zone, MAC and IPAddress, Service

## Cyberoam CR2500iNG UTM Firewall

• 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

• Self Service Quarantine area

• Scan and deliver by file size

• Block by file types

• Add disclaimer/signature

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

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,

• Proxy

• Schedule-based access control

• Block

• P2P applications e.g. Skype

• Anonymous proxies e.g. Ultra surf

• "Phone home" activities

• Keylogger

## Cyberoam CR2500iNG UTM Firewall

• Layer 7 (Applications) & Layer 8 (User - Identity) Visibility

### 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 NATTraversal

• 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

### SSLVPN

• 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

• Custom Alerts

### Wireless WAN

## Cyberoam CR2500iNG UTM Firewall

- 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, 3G Modem failover
- WRR based load balancing
- Policy routing based on Application and User
- IP Address Assignment - Static, PPPoE, L2TP, PPTP & DDNS Client, Proxy ARP, DHCPserver, DHCPrelay
- Support for HTTP Proxy
- Dynamic Routing: RIP v1 & v2, OSPF, BGP, Multicast Forwarding
- Parent Proxy support with FQDN
- "IPv6 Ready" 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)
- Multi-lingual support: Chinese, Hindi, French, Korean
- Cyberoam Central Console (Optional)
- NTP Support

### User Authentication

- Internal database

## Cyberoam CR2500iNG UTM Firewall

- 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 - NovelleDirectory
- RSA SecurID support
- External Authentication - Users and Administrators
- User/MAC Binding
- Multiple Authentication servers

### Logging/Monitoring

- Graphical real-time and historical monitoring
- Email notification of reports, gateway status, viruses and attacks
- Syslog support
- Log Viewer - Firewall, IPS, Web filter, Anti Virus, Anti Spam, Authentication, System and Admin Events

### On-Appliance Cyberoam-iView 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 MonitoringDashboard
- 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

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

### Hardware Specifications

- Memory 6GB
- HDD (HOT Swappable) 250GB or higher

### Compliance

- CE / FCC / UL

### Dimensions

## Cyberoam CR2500iNG UTM Firewall

½ H x W x D (inches) 3.54 x 17.52 x 23.23

½ H x W x D (cms) 9 x 44.5 x 59

½ Weight 19kg, 41.8lbs

### Power

½ Input Voltage - 90-260 VAC

½ Consumption - 258 W

½ Total Heat Dissipation (BTU) - 881

½ Redundant Power Supply - Yes

### Power

½ Operating Temperature - 0 to 40 &deg;C

½ Storage Temperature -25 to 75 &deg;C

½ Relative Humidity (Non condensing) - 10 to 90%

**Please Enquire**

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