

## Cyberoam CR500iNG-XP Firewall



Product Name: Cyberoam CR500iNG-XP Firewall

Manufacturer: -

Model Number: CR500iNG-XP

Please Note: This product has been discontinued. Please see the Sophos XG Firewall XG430 Appliance.

### Cyberoam CR500iNG-XP Firewall

The Cyberoam CR500iNG-XP Firewall features 8x10/100/1000 Ethernet ports, 18000 Mbps Firewall Throughput and comes with 2 Flexi Slots for add-on port modules of (8 Copper/8 x 1GbE Fiber/4 x 10GbE Fiber).Features

- 8x10/100/1000 Ethernet ports
- 18000 Mbps Firewall Throughput
- 3250 Mbps NGFW Throughput
- 1650 Mbps Fully Protected Throughput
- Layer 8 Identity-based Security / Application Visibility & Control
- Web Filtering / Web Application Firewall

### Cyberoam CR500iNG-XP Firewall - Technical Specifications

#### Interfaces

- Maximum number of Available Ports 24
- Fixed Copper GbE Ports 8
- Number of Slots for Flexi Ports Module 2
- Port options per Flexi Ports Module\*\*\* 8 / 8 / 4
- (GbE Copper/GbE Fiber/10GbE Fiber)
- Console Ports (RJ45) 1
- Configurable Internal/DMZ/WAN Ports Yes
- USB Ports 2
- # Hardware Bypass Segment 2

#### System Performance\*

- Firewall Throughput (UDP) (Mbps) 18,000
- Firewall Throughput (TCP) (Mbps) 16,000
- New sessions/second 100,000
- Concurrent sessions 2,500,000
- IPSec VPN Throughput (Mbps) 1,500
- No. of IPSecTunnels 1,000
- SSLVPN Throughput (Mbps) 650
- WAF Protected Throughput (Mbps) 1,500
- Anti-Virus Throughput (Mbps) 3,500
- IPS Throughput (Mbps) 4,500
- NGFW Throughput (Mbps)\*\*\*\* 3,250
- Fully Protected Throughput (Mbps)\*\*\*\*\* 1,650

#### Stateful Inspection Firewall

- Layer 8 (User - Identity) Firewall
- Multiple Security Zones
- Location-aware and Device-aware Identity-based AccessControl Policy
- Access Control Criteria (ACC): User-Identity, Source andDestination Zone, MAC and IP

## Cyberoam CR500iNG-XP Firewall

address, Service

½ Security policies - IPS, Web Filtering, ApplicationFiltering, Anti-virus, Anti-spam and QoS

½ Country-based Traffic Control

½ Access Scheduling

½ Policy based Source and Destination NAT, Gateway

½ Specific NAT Policy

½ H.323, SIP NAT Traversal

½ DoS and DDoS attack prevention

½ MAC and IP-MAC filtering

½ Spoof Prevention

Intrusion Prevention System

½ Signatures: Default (4500+), Custom

½ IPS Policies: Pre-configured Zone-based multiple policies, Custom

½ Filter based selection: Category, Severity, Platform andTarget (Client/Server)

½ IPS actions: Recommended, Allow Packet, Drop Packet,Disable, Drop Session, Reset, Bypass Session

½ User-based policy creation

½ Automatic signature updates via Cyberoam ThreatResearch Labs

½ Protocol Anomaly Detection

½ SCADA-aware IPS with pre-defined category for ICS and SCADA signatures

Gateway Anti-Virus & Anti-Spyware

½ Virus, Worm, Trojan Detection and Removal

½ Spyware, Malware, Phishing protection

½ Automatic virus signature database update

½ Scans HTTP, HTTPS, FTP, SMTP/S, POP3, IMAP, IM, VPN Tunnels

½ Customize individual user scanning

½ Self Service Quarantine area

½ Scan and deliver by file size

½ Block by file types

Gateway Anti-Spam

½ Inbound and Outbound Scanning

½ Real-time Blacklist (RBL), MIME header check

½ Filter based on message header, size, sender, recipient

½ Subject line tagging

½ Language and Content-agnostic spam protection using RPD Technology

½ Zero Hour Virus Outbreak Protection

½ Self Service Quarantine area

½ IP address Black list/White list-

½ Spam Notification through Digest

½ IP Reputation based Spam filtering

Web Filtering

½ On-Cloud Web Categorization

½ Controls based on URL, Keyword and File type

½ Web Categories: Default (89+), External URL Database,Custom

½ Protocols supported: HTTP, HTTPS-

½ Block Malware, Phishing, Pharming URLs

½ Block Java Applets, Cookies, Active X, Google Cachepages

## Cyberoam CR500iNG-XP Firewall

- CIPA Compliant
- Data leakage control by blocking HTTP and HTTPSupload
- Schedule-based access controlCustom Denied Message per Web Category
- Safe Search enforcement, YouTube for Schools

### Application Filtering

- Layer 7 (Applications) & Layer 8 (User - Identity) Control and Visibility
- Inbuilt Application Category Database
- Control over 2,000+ Applications classified in 21Categories
- Filter based selection: Category, Risk Level, Characteristics and Technology
- Schedule-based access control
- Visibility and Controls for HTTPS based Micro-Apps like Facebook chat, Youtube video upload
- 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, CookiePoisoning etc.
- Support for HTTP 0.9/1.0/1.1
- Back-end servers supported: 5 to 300 servers

### Virtual Private Network

- IPSec, L2TP, PPTPEncryption - 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
- Threat Free Tunnelling (TFT) Technology

### SSL VPN

- TCP & UDP Tunnelling
- Authentication - Active Directory, LDAP, RADIUS,Cyberoam (Local)
- Multi-layered Client Authentication - Certificate,Username/Password
- User & Group policy enforcement
- Network access - Split and Full tunnelling
- Browser-based (Portal) Access - Clientless access
- Lightweight SSL VPN Tunnelling Client
- Granular access control to all the enterprise networkresources

## Cyberoam CR500iNG-XP Firewall

- Administrative controls - Session timeout, Dead Peer Detection, Portal customization
- TCP based Application Access - HTTP, HTTPS, RDP, TELNET, SSH

### Wireless WAN

- USB port 3G/4G and WiMAX Support
- Primary WAN link
- WAN Backup link

### Bandwidth Management

- Application, Web Category and Identity based Bandwidth Management
- Guaranteed & Burstable bandwidth policy
- Application & User Identity based Traffic Discovery
- Data Transfer Report for multiple Gateways

### Networking

- WRR based Multilink Load Balancing
- Automated Failover/Failback
- Interface types: Alias, Multiport Bridge, LAG (port trunking), VLAN, WWAN, TAP
- DNS-based inbound load balancing
- IP Address Assignment - Static, PPPoE (with Schedule Management), L2TP, PPTP & DDNS, Client, Proxy ARP, Multiple DHCP Servers support, DHCP relay
- Supports HTTP Proxy, Parent Proxy with FQDN
- Dynamic Routing: RIP v1 & v2, OSPF, BGP, PIM-SIM, Multicast Forwarding
- Support of ICAP to integrate third-party DLP, Web Filtering and AV applications
- Discover mode for PoC Deployments
- IPv6 Support:
  - Dual Stack Architecture: Support for IPv4 and IPv6 Protocols
  - Management over IPv6
  - IPv6 Route: Static and Source
  - IPv6 tunneling (6in4, 6to4, 6rd, 4in6)
  - Alias and VLAN
  - DNSv6 and DHCPv6 Services Firewall security over IPv6 traffic
  - High Availability for IPv6 networks

### High Availability

- Active-Active
- Active-Passive with state synchronization
- Stateful Failover with LAG Support

### Administration & System Management

- Web-based configuration wizard
- Role-based Access control
- Support of API
- 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 : English, Chinese, Hindi, French, Japanese
- Cyberoam Central Console (Optional)

## Cyberoam CR500iNG-XP Firewall

### User Authentication

- Internal database
- AD Integration and OU-based Security Policies
- Automatic Windows/RADIUS Single Sign On
- External LDAP/LDAPS/RADIUS database Integration
- Thin Client support
- 2-factor authentication: 3rd party support\*\*
- SMS (Text-based) Authentication
- Layer 8 Identity over IPv6
- Secure Authentication & AD, LDAP, Radius
- Clientless Users
- Authentication using Captive Portal

### Logging/Monitoring

- Real-time and historical Monitoring
- Log Viewer - IPS, Web filter, WAF, Anti-Virus, Anti-Spam, Authentication, System and Admin Events
- Forensic Analysis with quick identification of network attacks and other traffic anomalies
- Syslog support
- 4-eye Authentication

### On-Appliance Cyberoam-iView Reporting

- Integrated Web-based Reporting tool
- 1,200+ drilldown reports
- Compliance reports - HIPAA, GLBA, SOX, PCI, FISMA
- Zone based application reports
- Historical and Real-time reports
- Default Dashboards: Traffic and Security
- Username, Host, Email ID specific Monitoring Dashboard
- Reports & Application, Internet & Web Usage, Mail Usage, Attacks, Spam, Virus, Search Engine, User ThreatQuotient (UTQ) for high risk users and more
- Client Types Report including BYOD Client Types
- Multi-format reports - tabular, graphical
- Export reports in - PDF, Excel, HTML
- Email notification of reports
- Report customization & (Custom view and custom logo)
- Supports 3rd party PSA Solution & ConnectWise

### IPSec VPN Client\*\*\*

- Inter-operability with major IPSec VPN Gateways
- Import Connection configuration

### Certification

- Common Criteria - EAL4+
- ICSA Firewall - Corporate
- Checkmark Certification
- VPNC - Basic and AES interoperability
- IPv6 Ready Gold Logo
- Global Support Excellence - ITIL compliance (ISO 20000)

## Cyberoam CR500iNG-XP Firewall

### Hardware Specifications

• Memory 4GB  
• Compact Flash 4GB  
• HDD 250GB or higher

### Compliance

• CE  
• FCC  
• UL

### Dimensions

• H x W x D (inches) - 1.7 x 17.3 x 11.85  
• H x W x D (cms) - 4.4 X 43.9 X 30.1  
• Weight - 5.1 kg, 11.24 lbs

### Power

• Input Voltage - 100-240 VAC  
• Consumption - 208W  
• Total Heat Dissipation (BTU) - 345

### Environmental

• Operating Temperature - 0 to 40 &deg;C  
• Storage Temperature - 0 to 70 &deg;C  
• Relative Humidity (Non condensing) - 10 to 90%

**Please Enquire**