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 8×10/100/1000 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

ï¿½ 8×10/100/1000 Ethernet ports
ï¿½ 18000 Mbps Firewall Throughput
ï¿½ 3250 Mbps NGFW Throughput
ï¿½ 1650 Mbps Fully Protected Throughput
ï¿½ Layer 8 Identity-based Security / Application Visibility & Control
ï¿½ Web Filtering / Web Application Firewall

Cyberoam CR500iNG-XP Firewall - Technical Specifications
Interfaces

ï¿½ Maximum number of Available Ports 24
ï¿½ Fixed Copper GbE Ports 8
ï¿½ Number of Slots for FleXi Ports Module 2
ï¿½ Port options per FleXi Ports Module*** 8 / 8 / 4
ï¿½ (GbE Copper/GbE Fiber/10GbE Fiber)
ï¿½ Console Ports (RJ45) 1
ï¿½ Configurable Internal/DMZ/WAN Ports Yes
ï¿½ USB Ports 2
ï¿½ # Hardware Bypass Segment 2

System Performance*

ï¿½ Firewall Throughput (UDP) (Mbps) 18,000
ï¿½ Firewall Throughput (TCP) (Mbps) 16,000
ï¿½ New sessions/second 100,000
ï¿½ Concurrent sessions 2,500,000
ï¿½ IPSec VPN Throughput (Mbps) 1,500
ï¿½ No. of IPSecTunnels 1,000
ï¿½ SSLVPN Throughput (Mbps) 650
ï¿½ WAF Protected Throughput (Mbps) 1,500
ï¿½ Anti-Virus Throughput (Mbps) 3,500
ï¿½ IPS Throughput (Mbps) 4,500
ï¿½ NGFW Throughput (Mbps)**** 3,250
ï¿½ Fully Protected Throughput (Mbps)***** 1,650

Stateful Inspection Firewall

ï¿½ Layer 8 (User - Identity) Firewall
ï¿½ Multiple Security Zones
ï¿½ Location-aware and Device-aware Identity-based AccessControl Policy
ï¿½ Access Control Criteria (ACC): User-Identity, Source andDestination Zone, MAC and IP

Cyberoam CR500iNG-XP Firewall

address, Service
ï¿½ Security policies - IPS, Web Filtering, ApplicationFiltering, Anti-virus, Anti-spam and QoS
ï¿½ Country-based Traffic Control
ï¿½ Access Scheduling
ï¿½ Policy based Source and Destination NAT, Gateway
ï¿½ Specific NAT Policy
ï¿½ H.323, SIP NAT Traversal
ï¿½ DoS and DDoS attack prevention
ï¿½ MAC and IP-MAC filtering
ï¿½ Spoof Prevention

Intrusion Prevention System

ï¿½ Signatures: Default (4500+), Custom
ï¿½ IPS Policies: Pre-configured Zone-based multiple policies, Custom
ï¿½ Filter based selection: Category, Severity, Platform andTarget (Client/Server)
ï¿½ IPS actions: Recommended, Allow Packet, Drop Packet,Disable, Drop Session, Reset, Bypass Session
ï¿½ User-based policy creation
ï¿½ Automatic signature updates via Cyberoam ThreatResearch Labs
ï¿½ Protocol Anomaly Detection
ï¿½ SCADA-aware IPS with pre-defined category for ICS and SCADA signatures

Gateway Anti-Virus & Anti-Spyware

ï¿½ Virus, Worm, Trojan Detection and 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
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

Gateway Anti-Spam

ï¿½ Inbound and 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 Language and Content-agnostic spam protection using RPD Technology
ï¿½ Zero Hour Virus Outbreak Protection
ï¿½ Self Service Quarantine area
ï¿½ IP address Black list/White list-
ï¿½ Spam Notification through Digest
ï¿½ IP Reputation based Spam filtering

Web Filtering

ï¿½ On-Cloud Web Categorization
ï¿½ Controls based on URL, Keyword and File type
ï¿½ Web Categories: Default (89+), External URL Database,Custom
ï¿½ Protocols supported: HTTP, HTTPS-
ï¿½ Block Malware, Phishing, Pharming URLs
ï¿½ Block Java Applets, Cookies, Active X, Google Cachepages

Cyberoam CR500iNG-XP Firewall

ï¿½ CIPA Compliant
ï¿½ Data leakage control by blocking HTTP and HTTPSupload
ï¿½ Schedule-based access controlCustom Denied Message per Web Category
ï¿½ Safe Search enforcement, YouTube for Schools

Application Filtering

ï¿½ Layer 7 (Applications) & Layer 8 (User - Identity) Control and Visibility
ï¿½ Inbuilt Application Category Database
ï¿½ Control over 2,000+ Applications classified in 21Categories
ï¿½ Filter based selection: Category, Risk Level, Characteristics and Technology
ï¿½ Schedule-based access control
ï¿½ Visibility and Controls for HTTPS based Micro-Apps like Facebook chat, Youtube video upload
ï¿½ Securing SCADA Networks
ï¿½ SCADA/ICS Signature-based Filtering for Protocols
ï¿½ Modbus, DNP3, IEC, Bacnet, Omron FINS, Secure
ï¿½ DNP3, 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 etc.
ï¿½ Support for HTTP 0.9/1.0/1.1
ï¿½ Back-end servers supported: 5 to 300 servers

Virtual Private Network

ï¿½ IPSec, L2TP, PPTPEncryption - 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
ï¿½ Threat Free Tunnelling (TFT) Technology

SSL VPN

ï¿½ TCP & UDP Tunnelling
ï¿½ Authentication - Active Directory, LDAP, RADIUS,Cyberoam (Local)
ï¿½ Multi-layered Client Authentication - Certificate,Username/Password
ï¿½ User & Group policy enforcement
ï¿½ Network access - Split and Full tunnelling
ï¿½ Browser-based (Portal) Access - Clientless access
ï¿½ Lightweight SSL VPN Tunnelling Client
ï¿½ Granular access control to all the enterprise networkresources

Cyberoam CR500iNG-XP Firewall

ï¿½ Administrative controls - Session timeout, Dead PeerDetection, Portal customization
ï¿½ TCP based Application Access - HTTP, HTTPS, RDP,TELNET, SSH

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, Web Category and Identity based Bandwidth Management
ï¿½ Guaranteed & Burstable bandwidth policy
ï¿½ Application & User Identity based Traffic Discovery
ï¿½ Data Transfer Report for multiple Gateways

Networking

ï¿½ WRR based Multilink Load Balancing
ï¿½ Automated Failover/Failback
ï¿½ Interface types: Alias, Multiport Bridge, LAG (port trunking), VLAN, WWAN, TAP
ï¿½ DNS-based inbound load balancing
ï¿½ IP Address Assignment - Static, PPPoE (with ScheduleManagement), L2TP, PPTP & DDNS, Client, Proxy ARP,Multiple DHCP Servers support, DHCP relay
ï¿½ Supports HTTP Proxy, Parent Proxy with FQDN
ï¿½ Dynamic Routing: RIP v1& v2, OSPF, BGP, PIM-SIM,Multicast Forwarding
ï¿½ Support of ICAP to integrate third-party DLP, WebFiltering and AV applications
ï¿½ Discover mode for PoC Deployments
ï¿½ IPv6 Support:
ï¿½ Dual Stack Architecture: Support for IPv4 and IPv6Protocols
ï¿½ Management over IPv6
ï¿½ IPv6 Route: Static and Source
ï¿½ IPv6 tunneling (6in4, 6to4, 6rd, 4in6)
ï¿½ Alias and VLAN
ï¿½ DNSv6 and DHCPv6 ServicesFirewall security over IPv6 traffic
ï¿½ High Availability for IPv6 networks

High Availability

ï¿½ Active-Active
ï¿½ Active-Passive with state synchronization
ï¿½ Stateful Failover with LAG Support

Administration & System Management

ï¿½ Web-based configuration wizard
ï¿½ Role-based Access control
ï¿½ Support of API
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)
ï¿½ Multi-lingual : English, Chinese, Hindi, French, Japanese
ï¿½ Cyberoam Central Console (Optional)

Cyberoam CR500iNG-XP Firewall

User Authentication

ï¿½ Internal database
ï¿½ AD Integration and OU-based Security Policies
ï¿½ Automatic Windows/RADIUS Single Sign On
ï¿½ External LDAP/LDAPS/RADIUS database Integration
ï¿½ Thin Client support
ï¿½ 2-factor authentication: 3rd party support**
ï¿½ SMS (Text-based) Authentication
ï¿½ Layer 8 Identity over IPv6
ï¿½ Secure Authentication – AD, LDAP, Radius
ï¿½ Clientless Users
ï¿½ Authentication using Captive Portal

Logging/Monitoring

ï¿½ Real-time and historical Monitoring
ï¿½ Log Viewer - IPS, Web filter, WAF, Anti-Virus, Anti-Spam,Authentication, System and Admin Events
ï¿½ Forensic Analysis with quick identification of networkattacks and other traffic anomalies
ï¿½ Syslog support
ï¿½ 4-eye Authentication

On-Appliance Cyberoam-iView Reporting

ï¿½ Integrated Web-based Reporting tool
ï¿½ 1,200+ drilldown reports
ï¿½ Compliance reports - HIPAA, GLBA, SOX, PCI, FISMA
ï¿½ Zone based application reports
ï¿½ Historical and Real-time reports
ï¿½ Default Dashboards: Traffic and Security
ï¿½ Username, Host, Email ID specific Monitoring Dashboard
ï¿½ Reports – Application, Internet & Web Usage, Mail Usage,Attacks, Spam, Virus, Search Engine, User ThreatQuotient (UTQ) for high risk users and more
ï¿½ Client Types Report including BYOD Client Types
ï¿½ Multi-format reports - tabular, graphical
ï¿½ Export reports in - PDF, Excel, HTML
ï¿½ Email notification of reports
ï¿½ Report customization – (Custom view and custom logo)
ï¿½ Supports 3rd party PSA Solution – ConnectWise

IPSec VPN Client***

ï¿½ Inter-operability with major IPSec VPN Gateways
ï¿½ Import Connection configuration

Certification

ï¿½ Common Criteria - EAL4+
ï¿½ ICSA Firewall - Corporate
ï¿½ Checkmark Certification
ï¿½ VPNC - Basic and AES interoperability
ï¿½ IPv6 Ready Gold Logo
ï¿½ Global Support Excellence - ITIL compliance (ISO 20000)

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Hardware Specifications

ï¿½ Memory 4GB
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 17.3 x 11.85
ï¿½ H x W x D (cms) - 4.4 X 43.9 X 30.1
ï¿½ Weight - 5.1 kg, 11.24 lbs

Power

ï¿½ Input Voltage - 100-240 VAC
ï¿½ Consumption - 208W
ï¿½ Total Heat Dissipation (BTU) - 345

Environmental

ï¿½ Operating Temperature - 0 to 40 °C
ï¿½ Storage Temperature - 0 to 70 °C
ï¿½ Relative Humidity (Non condensing) - 10 to 90%

Please Enquire