



Cyberoam CR250i

Comprehensive Network Security for Small and Medium Enterprises

Cyberoam CR250i is an identity-based security appliance that delivers real-time network protection against evolving Internet threats to small and medium enterprises (SMEs) through unique user based policies.

SMEs face same amount of risk as large enterprises from Internet attacks but have limited technical resources to manage security solutions. Cyberoam protection is comprehensive, yet cost-effective and easy-to-manage. CR250i appliances deliver comprehensive protection to SMEs with Stateful Inspection Firewall, VPN, Gateway Anti-Virus and Anti-Spyware, Gateway Anti-Spam, Intrusion Prevention System, Content Filtering, Bandwidth Management, Multiple Link Management, Comprehensive Reporting over a single platform and can be centrally managed using the Cyberoam Central Console. Integrated high availability provides protection against hardware failure to maximize network uptime and ensure uninterrupted access.

Identity-based Security in UTM

Cyberoam attaches the user identity to security, taking enterprises a step ahead of conventional solutions that bind security to IP-addresses. Cyberoam's identity-based security offers full business flexibility while ensuring complete security in any environment, including DHCP and Wi-Fi, by identifying individual users within the network-whether they are victims or attackers.



Features	Description	Benefits
Stateful Inspection Firewall (ICSA Labs Certified)	<ul style="list-style-type: none"> Powerful stateful and deep packet inspection Prevents DoS and flooding attacks from internal and external sources Identity-based access control for applications like P2P, IM 	<ul style="list-style-type: none"> Application layer protection Flexibility to set policies by user identity High scalability
Virtual Private Network	<ul style="list-style-type: none"> Industry standard: IPSec, L2TP, PPTP VPN VPN High Availability for IPSec and L2TP connections Dual VPNC Certifications - Basic and AES Interop 	<ul style="list-style-type: none"> Secure connectivity to branch offices and remote users Low cost remote connectivity over the Internet Effective failover management with defined connection priorities
Gateway Anti-Virus & Anti-Spyware	<ul style="list-style-type: none"> Scans HTTP, FTP, IMAP, POP3 and SMTP traffic Detects and removes viruses, worms and Trojans Access to quarantined mails to key executives Restriction on file transfer based on keywords Instant user identification in case of HTTP threats 	<ul style="list-style-type: none"> Complete protection of traffic over all protocols High business flexibility Protection of confidential information Real-time security
Gateway Anti-Spam	<ul style="list-style-type: none"> Scans SMTP, POP3 and IMAP traffic for spam Detects, tags and quarantines spam mail Lenient and strict policies based on user need Enforces black and white lists Virus Outbreak Protection Content-agnostic spam protection including Image-spam using Recurrent Pattern Detection (RPD™) Technology 	<ul style="list-style-type: none"> Enhances productivity High business flexibility Protection from emerging threats High scalability Zero hour protection incase of virus outbreaks Multi-language and Multi-format spam detection
Intrusion Prevention System - IPS	<ul style="list-style-type: none"> Database of over 3000 signatures Multi-policy capability with policies based on signature, source and destination Internal user identification Detect and prevent intrusion using custom signatures Prevents intrusion attempts, DoS attacks, malicious code, backdoor activity and network-based blended threats Blocks anonymous proxies with HTTP proxy signatures Blocks "phone home" activities 	<ul style="list-style-type: none"> Low false positives Real-time Security in dynamic environments like DHCP and Wi-Fi Offers instant user-identification in case of internal threats Apply IPS policies on users
Content & Application Filtering	<ul style="list-style-type: none"> Automated web categorization engine blocks non-work sites based on millions of sites in over 82+ categories URL Filtering for HTTP & HTTPS protocols Hierarchy, department, group, user-based filtering policies Time-based access to pre-defined sites Prevents downloads of streaming media, gaming, tickers, ads Supports CIPA compliance for schools and libraries 	<ul style="list-style-type: none"> Prevents exposure of network to external threats Blocks access to restricted websites Ensures regulatory compliance Saves bandwidth and enhances productivity Protects against legal liability Ensures the safety and security of minors online Enables schools to qualify for E-rate funding
Bandwidth Management	<ul style="list-style-type: none"> Committed and burstable bandwidth by hierarchy, departments, groups & users 	<ul style="list-style-type: none"> Prevents bandwidth congestion Prioritizes bandwidth for critical applications
Multiple Link Management	<ul style="list-style-type: none"> Security over multiple ISP links using a single appliance Load balances traffic based on weighted round robin distribution Link Failover automatically shifts traffic from a failed link to a working link 	<ul style="list-style-type: none"> Easy to manage security over multiple links Controls bandwidth congestion Optimal use of low-cost links Ensures business continuity
On-Appliance Reporting	<ul style="list-style-type: none"> Complete Reporting Suite available on the Appliance Traffic discovery offers real-time reports Reporting by username 	<ul style="list-style-type: none"> Reduced TCO as no additional purchase required Instant and complete visibility into patterns of usage Instant identification of victims and attackers in internal network

Interfaces				User Identity and Group Based Controls	
10/100 Ethernet Ports		2		Access time restriction	Yes
10/100/1000 GBE Ports		2		Time Quota restriction	Yes
Configurable Internal/DMZ/WAN Ports	Yes			Schedule based Committed and Burstable Bandwidth	Yes
Console Ports (RJ45)	-			Data Quota restriction	Yes
SFP (Mini GBIC) Ports	-			Schedule based P2P and IM Controls	Yes
COM port		2			
USB ports		4			
System Performance				Networking	
Concurrent sessions		400,000		Multiple Link Auto Failover	Yes
New sessions/second		10,000		WRR based Load balancing	Yes
Firewall throughput (Mbps)		500		Policy routing based on Application and User	Yes
168-bit Triple-DES/AES throughput (Mbps)		150/170		DDNS/PPPoE Client	Yes
Antivirus throughput (Mbps)		225		Support for TCP MSS configuration	Yes
IPS throughput (Mbps)		200		Support for HTTP Proxy Mode Deployment	Yes
UTM throughput (Mbps)		135		Parent proxy support	Yes
				Dynamic Routing: RIP v1& v2, OSPF, BGP	Yes
				Multicast Forwarding	Yes
Stateful Inspection Firewall				High Availability	
Multiple Zones security with separate levels of access rule enforcement for each zone	Yes			Active-Passive with state synchronization	Yes
Rules based on the combination of User, Source & Destination Zone and IP address and Service	Yes			Stateful Failover	Yes
Actions include policy based control for IPS, Content Filtering, Anti virus, Anti spam and Bandwidth Management	Yes			Alert on Appliance Status change	Yes
Access Scheduling	Yes				
Policy based Source & Destination NAT	Yes			Administration	
H.323 NAT Traversal	Yes			Web-based configuration wizard	Yes
802.1q VLAN Support	Yes			Role-based administration	Yes
DoS Attack prevention	Yes			Multiple administrators and user levels	Yes
				Upgrades & changes via Web UI	Yes
Gateway Anti-Virus & Anti-Spyware				System Management	
Virus, Worm, Trojan Detection & Removal	Yes			Web UI (HTTPS)	Yes
Spyware, Malware, Phishing protection	Yes			Command line interface (Serial, SSH, Telnet)	Yes
Automatic virus signature database update	Yes			SNMP (v1, v2c, v3)	Yes
Scans HTTP, FTP, SMTP, POP3, IMAP	Yes			Cyberoam Central Console	Yes
Customize individual user scanning	Yes				
Self Service Quarantine area	Yes			User Authentication	
Scan and deliver by file size	Yes			Local database	Yes
Block by file types	Yes			Windows Domain Control & Active Directory Integration	Yes
Add disclaimer/signature	Yes			Automatic Windows Single Sign On	Yes
				External LDAP/RADIUS database Integration	Yes
Gateway Anti-Spam				Logging/Monitoring	
Real-time Blacklist (RBL), MIME header check	Yes			Internal HDD	Yes
Filter based on message header, size, sender, recipient	Yes			Graphical real-time and historical monitoring	Yes
Subject line tagging	Yes			Email notification of reports, viruses and attacks	Yes
IP address blacklist/exempt list	Yes			Syslog support	Yes
Redirect spam mails to dedicated email address	Yes				
Image-based spam filtering using RPD Technology	Yes			On-Appliance Reporting	
Zero hour Virus Outbreak Protection	Yes			Intrusion events reports	Yes
Self Service Quarantine area	Yes			Policy violations reports	Yes
				Web Category reports (user, content type)	Yes
				Search Engine Keywords reporting	Yes
				Data transfer reporting (By Host, Group & IP Address)	Yes
				Virus reporting by User and IP Address	Yes
				Compliance Reports	45+
Intrusion Prevention System				VPN Client	
Signatures: Default (3000+), Custom	Yes			IPSec compliant	Yes
IPS Policies: Multiple, Custom	Yes			Inter-operability with major IPSec VPN Gateways	Yes
User-based policy creation	Yes			Supported platforms: Windows 98, Me, NT4, 2000, XP, Vista	Yes
Automatic real-time updates from CRProtect networks	Yes			Import Connection configuration	Yes
Protocol Anomaly Detection	Yes				
P2P applications signatures including Skype	Yes				
Content & Application Filtering				Certification	
Inbuilt Web Category Database	Yes			ICSA Firewall - Corporate	Yes
URL, keyword, File type block	Yes			VPNC - Basic and AES interoperability	Yes
Categories: Default(82+), Custom	Yes			Checkmark UTM Level 5 Certification	Yes
HTTP Upload block	Yes				
Protocols supported: HTTP, HTTPS	Yes			Compliance	
Block Malware, Phishing, Pharming URLs	Yes			CE	Yes
Custom block messages per category	Yes			FCC	Yes
Block Java Applets, Cookies, Active X	Yes				
CIPA Compliant	Yes			Dimensions	
Virtual Private Network - VPN				H x W x D (inches)	1.72 x 16.8 x 13.4
IPSec, L2TP, PPTP	Yes			H x W x D (cms)	4.4 x 42.7 x 23.5
Encryption - 3DES, DES, AES, Twofish, Blowfish, Serpent	Yes			Weight	4 kg, 8.82 lbs
Hash Algorithms - MD5, SHA-1	Yes				
Authentication - Preshared key, Digital certificates	Yes			Power	
IPSec NAT Traversal	Yes			Input Voltage	110-240 VAC
Dead peer detection and PFS support	Yes			Consumption	70.93W
Diffie Hellman Groups - 1,2,5,14,15,16	Yes			Total Heat Dissipation (BTU)	-
External Certificate Authority support	Yes				
Export Road Warrior connection configuration	Yes			Environmental	
Domain name support for tunnel end points	Yes			Operating Temperature	0 to 40 °C
VPN connection redundancy	Yes			Storage Temperature	-20 to 80 °C
				Relative Humidity (Non condensing)	10 to 90%
				Cooling System - Fans	2
Bandwidth Management					
Application and User Identity based Bandwidth Management	Yes				
Guaranteed & Burstable bandwidth policy	Yes				
Application & User Identity based Traffic Discovery	Yes				
Multi WAN bandwidth reporting	Yes				



Toll Free Numbers

USA : +1-877-777-0368

India : +1-800-301-00013

APAC/MEA : +1-877-777-0368

Europe : +44-808-120-3958

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