



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

Specification

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	
			H x W x D (inches)	1.72 x 16.8 x 13.4
			H x W x D (cms)	4.4 x 42.7 x 23.5
			Weight	4 kg, 8.82 lbs
Virtual Private Network - VPN			Power	
IPSec, L2TP, PPTP	Yes		Input Voltage	110-240 VAC
Encryption - 3DES, DES, AES, Twofish, Blowfish, Serpent	Yes		Consumption	70.93W
Hash Algorithms - MD5, SHA-1	Yes		Total Heat Dissipation (BTU)	-
Authentication - Preshared key, Digital certificates	Yes			
IPSec NAT Traversal	Yes		Environmental	
Dead peer detection and PFS support	Yes		Operating Temperature	0 to 40 °C
Diffie Hellman Groups - 1,2,5,14,15,16	Yes		Storage Temperature	-20 to 80 °C
External Certificate Authority support	Yes		Relative Humidity (Non condensing)	10 to 90%
Export Road Warrior connection configuration	Yes		Cooling System - Fans	2
Domain name support for tunnel end points	Yes			
VPN connection redundancy	Yes			
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			



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