





Future-ready Security for SME networks

CRIOOING

Data Sheet



Cyberoam NG series of Unified Threat Management appliances are the Next-Generation network security appliances that include UTM security features along with performance required for future networks. The NG series for SMEs are the "fastest UTMs" made for this segment. The best-in-class hardware along with software to match, enables the NG series to offer unmatched throughput speeds, compared to any other UTM appliance in this market segment. This assures support for future IT trends in organizations like high-speed Internet and rising number of devices in organizations offering future-ready security to SMEs.

With Cyberoam NG series, businesses get assured Security, Connectivity and Productivity. The Laver 8 Technology treats User-Identity as the 8th Laver or the HUMAN layer in the protocol stack. It attaches User-Identity to security, which adds speed to an organization's security by offering instant visibility into the source of attacks by username rather than only IP address. Cyberoam's Extensible Security Architecture (ESA) supports feature enhancements that can be developed rapidly and deployed with minimum efforts, offering future-ready security to organizations.

The 'Next-Generation' Series: The fastest UTMs made for SMEs

> Cyberoam's Layer 8 Technology treats "User Identity" as the 8th Layer in the protocol stack















Cyberoam UTM offers security across Layer 2-Layer 8 using Identity-based policies

Cyberoam UTM features assure Security, Connectivity, Productivity

Security

Network Security

- Firewall
- Intrusion Prevention System
- Web Application Firewall

Content Security

- Anti-Virus/Anti-Spyware
- Anti-Spam (Inbound/Outbound)
- HTTPS/SSL Content Security

Administrative Security

- Next-Gen UI
- iView- Logging & Reporting

Connectivity

Business Continuity

- Multiple Link Management
- High Availability

Network Availability

- 3G/4G/WiMAX Connectivity

Future-ready Connectivity

- "IPv6 Ready" Gold Logo



Productivity

Employee Productivity

- Content Filtering
- Instant Messaging Archiving & Controls

IT Resource Optimization

- Bandwidth Management
- Traffic Discovery
- Application Visibility & Control

Administrator Productivity

- Next-Gen UI



www.voipon.co.uk sales@voipon.co.uk Tel: +44 (0)1245 808195 Fax: +44 (0)1245 808299

Specification

Interfaces Copper GbE Ports Configurable Internal/DMZ/WAN Ports Yes Console Ports (Rj45) USB Ports Hardware Bypass Segment*

System Performance*

System i enormance	
Firewall Throughput (UDP) (Mbps)	4,500
Firewall Throughput (TCP) (Mbps)	3,500
New sessions/second	45,000
Concurrent sessions	1,250,00
IPSec VPN Throughput (Mbps)	450
No. of IPSec Tunnels	250
SSL VPN Throughput (Mbps)	400
WAF Protected Throughput (Mbps)	500
Anti-Virus Throughput (Mbps)	1,400
IPS Throughput (Mbps)	1,200
UTM Throughput (Mbps)	750

Stateful Inspection Firewall - Layer 8 (User - Identity) Firewall - Multiple Security Zones

- -Multiple Security Zones
 -Access Control Criteria (ACC) User Identity, Source & Destination Zone, MAC and IP address, Service
 UTM policies IPS, Web Filtering, Application Filtering, Anti-Virus, Anti-Spam and Bandwidth Management

- Anti-Virus, Anti-Spam and Bandwidth Managi-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

- Gateway Anti-Spam
 Inbound/Outbound Scanning
 Real-time Blacklist (RBL), MIME header check
- Filter based on message header, size, sender, recipient Subject line tagging IP address Black list/White list

- Redirect Spam mails to dedicated email address Image-based Spam filtering using RPD Technology Zero hour Virus Outbreak Protection
- Self Service Quarantine area Spam Notification through Digest
- IP Reputation-based Spam filtering

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

- 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
 Schedule-based access control
- Block
- - P2P applications e.g. Skype
 - Anonymous proxies e.g. Ultra surf "Phone home" activities

- Layer 7 (Applications) & Layer 8 (User Identity) Visibility 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, Cookie
 Poisoning

 Support for HTTP 0.9/1.0/1.1

 Extensive Logging & Reporting
- Extensive Logging & Reporting

- Virtual Private Network
 IPSec, L2TP, PPTP
 Encryption 3DES, DES, AES, Twofish, Blowfish,
- 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

- **SSLVPN**-TCP & UDP Tunneling
 Authentication Active Directory, LDAP, RADIUS, Cyberoam
- -Multi-layered Client Authentication Certificate, - Wulti-Hayered Client Authentication - Certificate, Username/Password - User & Group policy enforcement - Network access - Split and Full tunneling - Browser-based (Portal) Access - Clientless access - Lightweight SSL VPN 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
 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, 3GModem failover
 WRR based load balancing
- Policy routing based on Application and User
- Toncy routing passed of Application and Oser
 IP Address Assignment Static, PPPoE, L2TP, PPTP & DDNS Client, Proxy ARP, DHCP server, DHCP relay
 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, v3)
 - Multi-lingual support: Chinese, Hindi, French, Korean
 - Cyberoam Central Console (Optional)
 - Network Time Protocol Support

User Authentication

- Internal database

- -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 Novell eDirectory
- 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



250GB or higher

- 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 Monitoring
- Username, most, Email to specific monitoring Dashboard
 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**

- 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
- Common Criteria EAL4+
 ICSA Firewall Corporate
 Checkmark UTM Level 5 Certification
- VPNC Basic and AES interoperability "IPv6 Ready" Gold Logo

Hardware Specifications Memory 2GB Compact Flash 4GB

Compliance

CE FCC

HDD

Dimensions HxWxD (inches) HxWxD (cms) 1.7 x 14.6 x 17.3 4.4 X 37.2 X 44 Weight 5 kg, 11.02 lbs

Power

Input Voltage 100-240 VAC Consumption 99W Total Heat Dissipation (BTU) 338

Environmental

Operating Temperature Storage Temperature 0 to 40 °C -25 to 75 °C Relative Humidity (Non condensing)

"If Enabled, will bypass traffic only in case of power failure. **Additional Purchase Required.

*Antivirus, IPS and UTM performance is measured based on HTTP traffic as per RFC 3511 guidelines. Actual performance may vary depending on the real network traffic environments.

www.cyberoam.com | sales@cyberoam.com

