





**Future-ready Security for SME networks** 

# **CR200iNG**

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



# **Specification**

### Interfaces Copper GbE Ports 10 Configurable Internal/DMZ/WAN Ports Console Ports (Rj45) Yes USB Ports Hardware Bypass Segment

### System Performance

### Stateful Inspection Firewall

- Layer 8 (User Identity) Firewall Multiple Security Zones
- Location-aware and Device-aware Identity-based Access - Location-aware and Device-aware Identity-based Access Control Policy
  - Access Control Criteria (ACC): User-Identity, Source and Destination Zone, MAC and IP address, Service
  - Security policies - IPS, Web Filtering, Application Filtering, Anti-virus, Anti-spam and QoS
  - Country-based Traffic Control
  - Access Scheduling
  - Policy based Source and Destination NAT, Gateway Specific NAT Policy
  - H.323, SIP NAT Traversal

- DoS and DDoS attack prevention
   MAC and IP-MAC filtering
   Spoof Prevention

- Intrusion Prevention System
   Signatures: Default (4500+), Custom
   IPS Policies: Pre-configured Zone-based multiple
- IPS Policies: Pre-configured Zone-based multiple policies, Custom
   Filter based selection: Category, Severity, Platform and Target (Client/Server)
   IPS actions: Recommended, Allow Packet, Drop Packet,
- Disable, Drop Session, Reset, Bypass Session

   User-based policy creation

   Automatic signature updates via Cyberoam Threat
- Research Labs
   Protocol Anomaly Detection
- SCADA-aware IPS with pre-defined category for ICS and SCADA signatures

- Gateway Anti-Virus & Anti-Spyware
   Virus, Worm, Trojan Detection and Removal
   Spyware, Malware, Phishing protection
- Automatic virus signature database update Scans HTTP, HTTPS, FTP, SMTP/S, POP3, IMAP, IM,
- VPN Tunnels
- Customize individual user scanning Self Service Quarantine area
- Scan and deliver by file sizeBlock by file types

# Gateway Anti-Spam - Inbound and Outbound Scanning

- Real-time Blacklist (RBL), MIME header check
   Filter based on message header, size, sender, recipient
- Filter based of message header, size, serider, recipient
   Subject line tagging
   Language and Content-agnostic spam protection using
  RPD Technology
   Zero Hour Virus Outbreak Protection
   Self Service Quarantine area
   IP address Black list/White list

- Spam Notification through DigestIP Reputation based Spam filtering

- Web Filtering
   On-Cloud Web Categorization
   Controls based on URL, Keyword and File type
   Web Categories: Default (89+), External URL Database, Custom - Protocols supported: HTTP, HTTPS
- Block Malware, Phishing, Pharming URLs Block Java Applets, Cookies, Active X, Google Cache
- CIPA Compliant
- Data leakage control by blocking HTTP and HTTPS upload

- Schedule-based access control
   Custom 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 21
- Filter based selection: Category, Risk Level, Characteristics and Technology

- and Technology
   Schedule-based access control
   Visibility and Controls for HTTPS based Micro-Apps like
  Facebook chat, Youtube video upload
   Securing SCADA Networks
   SCADAVICS Signature-based Filtering for Protocols
  Modbus, DNP3, IEC, Bacnet, Omron FINS, Secure DNP3, Longtalk
  - Control various Commands and Functions

### Web Application Firewall

- 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 etc.

   Support for HTTP 0.9/1.0/1.1
- Back-end servers supported: 5 to 300 servers

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

- 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 network resources - 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

- 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 Forwardine
- 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 trafficHigh 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)

### 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 support4-eye Authentication



- On-Appliance Cyberoam-iView Reporting
   Integrated Web-based Reporting tool

- 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
  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 Threat
  Quotient (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)

### **Hardware Specifications**

Total Heat Dissipation (BTU)

Memory Compact Flash 4GB HDD 250GB or higher

# Compliance CE

FCC

Dimensions H x W x D (inches) H x W x D (cms) 4.4 X 43.9 X 30.1 5.1 kg, 11.24 lbs

# Weight Power Input Voltage Consumption

Operating Temperature Storage Temperature 0 to 40 °C 0 to 70 °C

Relative Humidity (Non condensing) 10 to 90% "If Enabled, will bypass traffic only in case of power failure. \*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. \*\*For details, refer Cyberoam's Technical Alliance Partner list on Cyberoam website. \*\*\*Additional Purchase Required. For list of compatible platforms, refer to OS Compatibility Matrix on Cyberoam DOCS.





100-240 VAC

467