CR35wiNG is the Next-Generation Unified Threat Management appliance with Wi-Fi access points that offer “the fastest UTM’s made for SMBs” to small offices with high performance security over WLAN. CR35wiNG appliances come with 3x3 MIMO technology that greatly enhances wireless range and performance. It supports 802.11a/b/g/n wireless standards. Combined with security over wired networks offered by its range of UTM appliances, Cyberoam enables organizations to overcome the physical limitations of securely accessing network resources and offers more user flexibility, user productivity and lower network ownership costs.

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 for small office networks.

Cyberoam’s Layer 8 technology that treats user-identity as the 8th Layer or the HUMAN layer in the protocol stack, works even in WLAN environments, to allow Identity-based security policies in dynamic IP environment.

**Cyberoam UTM features assure Security, Connectivity, Productivity**

**Security**
- Network Security
  - Firewall
  - Intrusion Prevention System
  - Web Application Firewall
  - Wireless Security

**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
- Network Availability
  - VPN
  - 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
Web Filtering
- On-Cloud Web Categorization
- Controls based on URL, Keyword and File type
- Web Categories: Default (85+), External URL Database, 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 Complaint
- Data leakage control by blocking HTTP and HTTPS upload
- Safe Search enforcement, YouTube for Schools

Application Filtering
- Layer 7 (Applications) & Layer 8 (User-Identity) Visibility
- Inbuilt Application Category Database
- 2,000+ Applications Supported
- Filter based selection: Category, Risk Level, Characteristics and Technology
- Schedule-based access control
- Visibility and Control for HTTPS based Micro-Apps like Facebook, youtube video upload
- Securing SCADA Networks
- SCADA/ICS Signature-based Filtering for Protocols - Modbus, DNSP, IEC, BACnet, Omron FINIS, Secure DNSP, Longtalk
- Control various Commands and Functions

Web Application Firewall
- Positive Protection model
- Unique "Intuitive Website Flow Detector" technology
- Protection against SQL Injections, Cross-site Scoping (XSS), Session Hijacking, URL Tampering, Cookie Forensics etc.
- Support for HTTP 0.9/0.1/1.1
- Back-end servers supported: 5 to 30 servers

Virtual Private Network
- IPSec, L2TP, PPTP
- Encryption - 3DES, AES, AES, Twofish, Blowfish, Serpent
- 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
- Threat Free Tunnelling (TFT) Technology

SSL VPN
- TCP, UDP, Tunneling
- Authentication - AD, LDAP, RADIUS, Cyberoam
- Multi-layered Client Authentication - Certificate, Username/Password
- User & Group policy enforcement
- Network access - Split and Full tunnel
- 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 Detection, Portal customization
- TCP-based Application Access - HTTP, HTTPS, RDP, TELNET, SSH

Wireless WAN
- USB port 3G/4G and WiMAX Support
- Primary WAN link
- Wi-Fi Backup link

Bandwidth Management
- Application, Web Category and Identity based Bandwidth Management
- Schedule-based Guaranteed & Burstable bandwidth policy
- Application & User Identity based Traffic Discovery
- Data Transfer Reports for multiple Gateways

Networking
- KR8 based Multihop Load Balancing
- Automated Failover/Fallback
- Interface types: Atlas, Multiport Bridge, LAG (port trunking), VLAN, VLAN, WWAN, TAP
- DNS-based 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, FTP, Port 80, with FQDN
- Dynamic Routing: IPv4 & IPv6, OSPF, BGP, PIM-SM, Multicast Forwarding
- Discover mode for PoC Deployments
- IPv6 Support:
  - Dual Stack Architecture: Support for IPv4 and IPv6
  - IPv6 Route: Static and Source
  - IPv6 tunneling (64n, 6ld, 6rd)
- Alias and VLAN
- DNSV6 and DHCPv6 Services
- Firewall security over IPv4 traffic
- High Availability for IPv6 networks

*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.