Cyberoam NG series of Unified Threat Management appliances are the Next-Generation network security appliances that include UTM security features and performance required for future networks. The NG series for SOHO offer “the fastest UTMs made for SMBs” to small offices. 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.

With Cyberoam NG series, businesses get assured Security, Connectivity and Productivity. The Layer 8 Technology treats User-Identity as the 8th Layer 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 for SOHO:
Offering “the fastest UTMs made for SMBs” to Small Offices

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
- Content Security
  - Anti-Virus/Anti-Spyware
  - Anti-Spam
  - HTTPS/SSL Content Security
- Administrative Security
  - Next-Gen UI

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
**Application Filtering**

- Layer 7 (Applications) & Layer 8 (User - Identity) Control and Visibility
- Inbuilt Application Category Database
- Control over 2,000+ Applications classified in 21 Categories
- Filter based selection: Category, Risk Level, Characteristics and Technology
- Schedule-based access control
- Visibility and Controls for HTTPS based Micro-Apps like Facebook chat, YouTube video upload
- Securing SCADA Networks
  - SCADA/ICS Signature-based Filtering for Protocols Modbus, DP3, IEC, BACnet, Omron FINS, Secure DNP3, Longtalk
  - Control various Commands and Functions

**Virtual Private Network**

SSL VPN
- TCP & UDP Tunneling
- Authentication - Active Directory, LDAP, RADIUS, Cyberoam (Local)
- Multi-layered 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

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
- Schedule-based Guaranteed & Burstable bandwidth policy
- Application & User Identity based Traffic Discovery
- Data Transfer Report for multiple Gateways

**Networking**

- WRR based Multilink Load Balancing
- Automated Failover/Failback
- Interface types: Alias, Multiprotocol Bridge, LAG (port trunking), VLAN, VVAN
- DNS-based inbound load balancing
- IP Address Assignment - Static, PPPoE, 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-SM, Multicast Forwarding
- IPv6 Support:
  - Dual Stack Architecture: Support for IPv4 and IPv6 Protocols
  - IPv6 Route: Static and Source IPv6 tunneling (6in4, 6to4, 6rd, 6in6)
  - Alias and VLAN
  - DNSv6 and DHCPv6 Services
  - Firewall security over IPv6 traffic
  - High 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)
- NTP Support
- Multi-lingual support: English, Chinese, Hindi, French, Japanese
- Cyberoam Central Console/CCMS (Optional)

**User Authentication**

- Internal database
- AD Integration with support for 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**
- User/MAC Binding
- SMS (Text-based) Authentication
- Layer 8 Identity over IPv6
- Secure Authentication – AD, LDAP, Radius
- Clientless Users
- Authentication using Captive Portal

**Logging/Monitoring**

- Graphical real-time logging and monitoring
- Syslog support
- Log Viewer - Firewall, IPS, Web filter, Anti Virus, Anti Spam, Authentication, System and Admin Events

**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**

Memory
- 2GB

Storage
- 4GB

Compliance
- CE
- FCC

**Dimensions**

<table>
<thead>
<tr>
<th>H x W x D (inches)</th>
<th>4.4 x 15.3 x 23.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1.5 kg, 3,307 lbs</td>
</tr>
</tbody>
</table>

**Power**

- Input Voltage: 100-240 VAC
- Consumption: 13.2W
- Total Heat Dissipation (BTU): 45

**Environmental**

- Operating Temperature: 0 to 40 °C
- Storage Temperature: -25 to 75 °C
- Relative Humidity (Non condensing): 10 to 90%

**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.***