eroam

Future-ready Security for SOHO/ROBO and SME networks

With high-speed Internet becoming a reality in organizations, along with rising number of devices per user and data usage increasing at exponential rates, the next-generation security appliances must match the needs of future networks. Cyberoam NG series delivers future-ready security to organizations by offering unmatched throughput speeds with its best-in-class hardware along with software to match. The NG series appliances for SOHO, SMEs are the "fastest UTMs" made for this segment.

With Cyberoam NG series, businesses get assured Security, Connectivity and Productivity. The Layer 8 Technology attaches User-Identity to security, adding speed to an organization's security. Cyberoam's Extensible Security Architecture (ESA) supports feature enhancements that can be developed rapidly and deployed with minimum efforts.

Feature Specifications

Stateful Inspection Firewall

- Layer 8 (User Identity) Firewall
- Multiple Security Zones
- Access Control Criteria (ACC) : User-Identity, Source and Destination Zone, MAC and IP address, Service
- UTM policies IPS, Web Filtering, Application Filtering, Anti-virus, Anti-spam and Bandwidth Management
- Application (Layer 7) Control and Visibility Access Scheduling
- Policy based Source and Destination NAT H.323, SIP NAT Traversal
- 802.1q VLAN Support
- DoS and DDoS attack prevention
- MAC and IP-MAC filtering and Spoof prevention

Gateway Anti-Virus & Anti-Spyware

- Virus, Worm, Trojan Detection and Removal
- Spware, 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 Scanning Outbound Scanning
- Real-time Blacklist (RBL), MIME header check Filter based on message header, size, sender, recipient
- Subject line tagging Redirect spam mails to dedicated email address
- Image-spam filtering using RPD Technology Zero hour Virus Outbreak Protection
- Self Service Quarantine area¹
- IP address Black list/White list
- Spam Notification through Digest² - 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
- Web Categories: Default(89+), Custom Protocols supported: HTTP, HTTPS
- Block Malware, Phishing, Pharming URLs Category-based Bandwidth allocation and prioritization
- Block Java Applets, Cookies, Active X
- **CIPA** Compliant Data leakage control via HTTP, HTTPS upload
- Schedule-based access control
- Custom block messages per category

Application Filtering

- Inbuilt Application Category Database 2,000+ Applications Supported
- Schedule-based access control Block
- Proxy and Tunnel
 File Transfer
- Social Networking
- Streaming Media
- Layer 7 (Applications) & Layer 8 (User Identity) Visibility www.cyberoam.com | sales@cyberoam.com

- Securing SCADA Networks
 - SCADA/ICS Signature-based Filtering for Protocols Modbus, DNP3, IEC, Bacnet, Omron FINS, Secure DNP3, Longtalk

Future-readu

Tech Sheet

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NG Series UTM Appliances

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Cybernar

Cyberoan

NG Series : 15iNG, 25iNG/6P, 35iNG, 50iNG, 100iNG, 200iNG/XP, 300iNG/XP

IP Address Assignment - Static, PPPoE, L2TP, PPTP & DDNS Client, Proxy ARP, DHCP server, DHCP relay
 Supports HTTP Proxy, Parent Proxy with FQDN
 Oynamic Routing: RIP v1& v2, OSPF, BGP, Multicast Forwarding

- SNMP (v1, v2, v3) - Multi-lingual support: English, Chinese, Hindi, French, Korean

External LDAP/RADIUS database Integration - Thin Client support - Microsoft Windows Server 2003 Terminal

- External Authentication - Users and Administrators - User/MAC Binding

Graphical real-time and historical Monitoring

Authentication, System and Admin Events

Multi-format reports - tabular, graphical
 Exportable formats - PDF, Excel

- Automated Report Scheduling

- Import Connection configuration

Checkmark UTM Level 5 Certification VPNC - Basic and AES interoperability

12.3.4.5. #Available in all the Models except CR15iNG & CR15wiNG

*Not supported in CR15iNG & WiFi series of appliances

- Common Criteria - EAL4+ - ICSA Firewall - Corporate

- IPv6 Ready Gold Logo

⁶Additional Purchase Required

Email notification of reports, viruses and attacks

- Syslog support - Log Viewer - IPS, Web filter, WAF, Anti-Virus, Anti-Spam,

On-Appliance Cyberoam - iView Reporting⁵ - Integrated Web-based Reporting tool -

Username, Host, Email ID specific Monitoring Dashboard

Reports - Security, Spam, Virus, Traffic, Policy violations, VPN, Search Engine keywords

Inter-operability with major IPSec VPN Gateways
 Supported platforms: Windows 2000, WinXP 32/64-bit, Windows 2003 32-bit, Windows 2008 32/64-bit, Windows 7 RC1 32/64-bit, Windows 7 RC1 32/64-bit

NG Wireless Series : 15wiNG, 25wiNG, 25wiNG-6P, 35wiNG

- Active-Active - Active-Passive with state synchronization

Administration and System Management

- Command line interface (Serial, SSH, Telnet)

- Cyberoam Central Console (Optional) - NTP Support

Active Directory Integration
 Automatic Windows Single Sign On

- Alerts on Appliance Status change

Web-based configuration wizard
 Role-based Access control

Firmware Upgrades via Web UI
 Web 2.0 compliant UI (HTTPS)

User Authentication

Services and Citrix XenApp

Multiple Authentication servers

Logging and Monitoring

RSA SecurID support

Cyberoam-iView

1,200+ drilldown reports - 45+ Compliance reports- Historical and Real-time reports

Multiple Dashboards

IPSec VPN Client⁶

Certification

- Internal database

CSAlabs

High Availability

Stateful Failover

- UI Color Styler

- Control various Commands and Functions

Web Application Firewall³

- 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 200 servers

Virtual Private Network

- IPSec, L2TP, PPTP
- IF JCC, LZTF, FFTF Encryption 3DES, DES, 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

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

Instant Messaging (IM) Management

- Yahoo and Windows Live Messenger
 Virus Scanning for IM traffic
 Allow/Block: Login, File Transfer, Webcam, One-to-one/group Chat Content-based blocking

Bandwidth Management
- Application and User Identity based Bandwidth Management
- Category-based Bandwidth restriction

User Identity-based and Group-based Controls

- Time and Data Quota restriction P2P and IM Controls

- Schedule-based Committed and Burstable Bandwidth

- IM activities Log
- Archive files transferred
- Custom Alerts

Wireless WAN

- USB port 3G/4G and WiMax Support

Guaranteed & Burstable bandwidth policy Application & User Identity based Traffic Discovery⁴
 Multi WAN bandwidth reporting

Networking - Automated Failover/Failback, Multi-WAN

- WRR based Load balancing - Policy routing based on Application and User

 Primary WAN link WAN Backup link

Access time restriction

Techsheet

NG Future-ready

Specifications	15iNG	25iNG/6P	35iNG	15wiNG	25wiNG/6P	35wiNG
Interfaces						
Copper GbE Ports	3	4/6	6	3	4/6	6
Console Ports (RJ45)	1	1	1	1	1	1
JSB Ports	2	2	2	2	2	2
lardware Bypass Segments*	-	-	2	-	-	-
Configurable Internal/DMZ/WAN Ports	Yes	Yes	- Vee	Yes	Yes	Yes
	165	163	Yes	103	163	163
System Performance [®]						
Firewall Throughput (UDP) (Mbps)	1,000	1,500	2,300	1,000	1,500	2,300
Firewall Throughput (TCP) (Mbps)	750	1,000	2,000	750	1,000	2,000
New sessions/second	3,500	5,000	12,000	3,500	5,000	12,000
Concurrent sessions	60,000	150,000	350,000	60,000	150,000	350,000
PSec VPN Throughput (Mbps)	110	210	250	110	210	250
No. of IPSec Tunnels	50	100	150	50	100	150
SL VPN Throughput (Mbps)	50	75	100	50	75	100
VAF Protected Throughput (Mbps)	-NA-	100	150	-NA-	100	150
Anti-Virus Throughput (Mbps)	180		525	180	300	525
		300				
PS Throughput (Mbps)	140	200	350	140	200	350
JTM Throughput (Mbps)	80	110	210	80	110	210
uthenticated Users/Nodes	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Built-in Wireless LAN (Only for wiNG	series)					
Vireless Standards	661166)			IEEE 802.11 a/b/g/n (NEP, WPA, WPA2, 802.11i ,	TKIP, AES, PSK)
Intenna				Detachable 3x3 MIMC		, _, _, ,
Access Points				Up to 8 bssid		
ransmit Power (EIRP)					11b CCK: +15dBm, 11g C	EDM:+15dBm
				,	, 0	
Receiver Sensitivity		NA			-70dBm at 54Mbps, -88dB	m at 6ivibps
requency Range				2.412 GHz - 2.472 GH		
				5.200 GHz - 5.825 GH	Z	
Number of Selectable Channels				USA (FCC) - 11 chanr	nels, EU (ETSI) / Japan (TEI	LEC) - 13 channels
Data Rate				802.11n: up to 450Mb	ps, 802.11b: 1, 2, 5,5, 11M	lbps.
				802.11g: 6, 9, 12, 18,		- 1 7
Dimensions				002.119.0, 9, 12, 10,	24, 30, 40, 3410003	
1 x W x D (inches)	1.7 x 6 x 9.1	1.7 x 6 x 9.1	1.7 x 6 x 9.1	1.7 x 6 x 9.1	1.7 x 6 x 9.1	1.7 x 6 x 9.1
1 x W x D (cms)	4.4 x 15.3 x 23.2	4.4 x 15.3 x 23.2	4.4 x 15.3 x 23.2	4.4 x 15.3 x 23.2	4.4 x 15.3 x 23.2	4.4 x 15.3 x 23.
Appliance Weight	1.5 kg, 3.307 lbs	2.3 kg, 5.07 lbs	2.3 kg, 5.07 lbs	1.5 kg, 3.307 lbs	2.3 kg, 5.07 lbs	2.3 kg, 5.07 lbs
	110 119, 01001 100	210 119, 0107 100	2.0 (9, 0.07 1.00	110 Ag, 01007 100	210 11.9, 0107 100	2.0 1.9, 0.07 1.00
Deuver						
rower						
	100-240\/AC	100-240\/AC	100-240\/AC	100-240VAC	100-240\/AC	100-240\/AC
nput Voltage	100-240VAC	100-240VAC 33.5W	100-240VAC	100-240VAC	100-240VAC	100-240VAC
Input Voltage Consumption	13.2W	33.5W	47.8W	13.2W	33.5W	47.8W
nput Voltage Consumption						
nput Voltage Consumption ōtal Heat Dissipation (BTU)	13.2W	33.5W	47.8W	13.2W	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications	13.2W 45	33.5W 114	47.8W 163	13.2W 45	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces	13.2W 45 50iNG	33.5W 114 100iNG	47.8W 163 200iNG/XP	13.2W 45 300iNG/XP	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications nterfaces Copper GbE Ports	13.2W 45 50iNG 8	33.5W 114	47.8W 163 200iNG/XP 10 / 6	13.2W 45 300iNG/XP 10/6	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FleXi Ports Module (for XP Appliances)	13.2W 45 50iNG	33.5W 114 100iNG	47.8W 163 200iNG/XP	13.2W 45 300iNG/XP	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXI Ports Module ^{TT} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP)	13.2W 45 50iNG 8 -	33.5W 114 100iNG 8 -	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4	13.2W 45 300iNG/XP 10/6 8/8/4	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TelXi Ports Module ^{TT} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45)	13.2W 45 50iNG 8 - 1	33.5W 114 100iNG 8 - 1	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1	13.2W 45 300iNG/XP 10/6 8/8/4 1	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FleXi Ports Module" (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports	13.2W 45 50iNG 8 - 1 2	33.5W 114 100iNG 8 - 1 2	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2	13.2W 45 300iNG/XP 10/6 8/8/4 1 2	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GDE Ports FileXi Ports Module ^{III} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments	13.2W 45 50iNG 8 - 1 2 2	33.5W 114 100iNG 8 - 1 2 2	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2	13.2W 45 300iNG/XP 10/6 8/8/4 1 2 2	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GDE Ports FileXi Ports Module ^{III} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments	13.2W 45 50iNG 8 - 1 2	33.5W 114 100iNG 8 - 1 2	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2	13.2W 45 300iNG/XP 10/6 8/8/4 1 2	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FileXi Ports Module ^{***} (for XP Appliances) I GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports lardware Bypass Segments [*] Configurable Internal/DMZ/WAN Ports	13.2W 45 50iNG 8 - 1 2 2	33.5W 114 100iNG 8 - 1 2 2	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2	13.2W 45 300iNG/XP 10/6 8/8/4 1 2 2	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports GeXi Ports Module ^(*) (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments [*] Configurable Internal/DMZ/WAN Ports System Performance [*]	13.2W 45 50iNG 8 - 1 2 2 Yes	33.5W 114 100iNG 8 - 1 2 2 Yes	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes	13.2W 45 300iNG/XP 10/6 8/8/4 1 2 2 Yes	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GDE Ports 'leXi Ports Module''' (for XP Appliances) I GBE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments' Configurable Internal/DMZ/WAN Ports System Performance'' iriewall Throughput (UDP) (Mbps)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FleXi Ports Module" (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments Configurable Internal/DMZ/WAN Ports System Performance" Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000	13.2W 45 300iNG/XP 10/6 8/8/4 1 2 2 Yes 12,000 9,500	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) Jew sessions/second	13.2W 45 50iNG 8 - 1 2 Yes 3,250 3,000 30,000	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000	13.2W 45 300iNG/XP 10/6 8/8/4 1 2 Yes 12,000 9,500 85,000	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{**} Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps)	13.2W 45 50iNG 8 - 1 2 Yes 3,250 3,000 30,000 1,000,000	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000	13.2W 45 300iNG/XP 10/6 8/8/4 1 2 2 Yes 12,000 9,500 85,000 2,000,000	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) Wew sessions/second Concurrent sessions PSec VPN Throughput (Mbps)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 8,000 800	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Therfaces Copper GbE Ports FleXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Firewall Throughput (UDP) (Mbps) Firewall Throughput (UDP) (Mbps) Sew sessions/second Concurrent sessions PSec VPN Throughput (Mbps) No. of IPSec Tunnels	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FileXi Ports Module" (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments" Configurable Internal/DMZ/WAN Ports System Performance" Gystem Performance Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) Loncourrent sessions Sesc VPN Throughput (Mbps) Jo. of IPSec Tunnels SSL VPN Throughput (Mbps)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 4,500 1,250,000 1,250,000 450 250 400	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports Copper GbE Ports Copper GbE Ports Gased Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments Configurable Internal/DMZ/WAN Ports System Performance Girewall Throughput (UDP) (Mbps) Firewall Throughput (UDP) (Mbps) Varent sessions PSec VPN Throughput (Mbps) Job. of IPSec Tunnels SL VPN Throughput (Mbps) VAF Protected Throughput (Mbps)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300 450	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 4500 2,50 400 700	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Firewall Throughput (UDP) (Mbps) Tirewall Throughput (UDP) (Mbps) Serevent Persons Concurrent sessions PSec VPN Throughput (Mbps) vo. of IPSec Tunnels SSL VPN Throughput (Mbps) VAF Protected Throughput (Mbps) Anti-Virus Throughput (Mbps)	13.2W 45 50iNG 8 - 1 2 Yes 3,250 3,000 30,000 1,000,000 400 200 3000 450 1,000	33.5W 114 100iNG 8 - 1 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500	33.5W	47.8W
nput Voltage Consumption otal Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Firewall Throughput (UDP) (Mbps) Tirewall Throughput (UDP) (Mbps) Serevent Persons Concurrent sessions PSec VPN Throughput (Mbps) vo. of IPSec Tunnels SSL VPN Throughput (Mbps) VAF Protected Throughput (Mbps) Anti-Virus Throughput (Mbps)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300 450	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 4500 2,50 400 700	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Firewall Throughput (DDP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps) Ses VPN Throughput (Mbps) VAF Protected Throughput (Mbps) NAF Protected Throughput (Mbps) PS Throughput (Mbps) PS Throughput (Mbps)	13.2W 45 50iNG 8 - 1 2 Yes 3,250 3,000 30,000 1,000,000 400 200 3000 450 1,000	33.5W 114 100iNG 8 - 1 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200	13.2W 45 300iNG/XP 10/6 8/8/4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FleXi Ports Module ^{***} (for XP Appliances) To GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{**} Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) No. of IPSec Tunnels SSL VPN Throughput (Mbps) NAF Protected Throughput (Mbps) NAF Protected Throughput (Mbps) PS Throughput (Mbps) JTM Throughput (Mbps)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300 400 200 300 450 1,000 750	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400 1,200	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200 2,000	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Eirewall Throughput (DDP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps) SSL VPN Throughput (Mbps) VAF Protected Throughput (Mbps) Nati-Virus Throughput (Mbps) PS Throughput (Mbps) PS Throughput (Mbps) JTM Throughput (Mbps) Vauthenticated Users/Nodes	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 30,000 1,000,000 400 200 30,000 1,000,000 450 1,000 750 550	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400 1,400 1,200 750	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200 2,000 1,200	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400 1,500	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Eirewall Throughput (DDP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps) SSL VPN Throughput (Mbps) VAF Protected Throughput (Mbps) Nati-Virus Throughput (Mbps) Nati-Virus Throughput (Mbps) PS Throughput (Mbps) JTM Throughput (Mbps) JTM Throughput (Mbps) Authenticated Users/Nodes Dimensions	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 3000 1,000,000 400 200 3000 1,000,000 400 200 3000 1,000,000 450 550 Unlimited	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,250,000 450 250 400 700 1,200 750 Unlimited	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200 2,000 1,200 Unlimited	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400 1,500 2,400 1,500 Unlimited	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports TeXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Eirewall Throughput (DDP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps) SSL VPN Throughput (Mbps) VAF Protected Throughput (Mbps) Nat-Virus Throughput (Mbps) Nat-Virus Throughput (Mbps) ST Throughput (Mbps) JTM Throughput (Mbps) Authenticated Users/Nodes Dimensions	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 30,000 1,000,000 400 200 30,000 1,000,000 450 1,000 750 550	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400 1,400 1,200 750	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200 2,000 1,200	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400 1,500	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Therfaces Copper GbE Ports FleXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{**} Firewall Throughput (DDP) (Mbps) Firewall Throughput (TCP) (Mbps) New sessions/second Concurrent sessions PSec VPN Throughput (Mbps) NAF Protected Throughput (Mbps) NAF Protected Throughput (Mbps) PS Throughput (Mbps) SP Sthroughput (Mbps) JTM Throughput (Mbps) Authenticated Users/Nodes Dimensions H x W x D (inches)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 3000 1,000,000 400 200 3000 1,000,000 400 200 3000 1,000,000 450 550 Unlimited	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,250,000 450 250 400 700 1,200 750 Unlimited	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200 2,000 1,200 Unlimited	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400 1,500 2,400 1,500 Unlimited	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Therfaces Copper GbE Ports FleXi Ports Module" (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments' Configurable Internal/DMZ/WAN Ports System Performance" System Performance Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) New sessions/second Concurrent sessions PSec VPN Throughput (Mbps) No. of IPSec Tunnels SSL VPN Throughput (Mbps) No. of IPSec Tunnels SSL VPN Throughput (Mbps) NATI-Virus Throughput (Mbps) Anti-Virus Throughput (Mbps) Anti-Virus Throughput (Mbps) Authenticated Users/Nodes Dimensions H x W x D (inches) H x W x D (cms)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 30,000 1,000,000 400 200 30,000 1,000,000 450 1,000,750 550 Unlimited 1.7 x 14.6 x 17.3	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400 1,200 750 Unlimited 1.7 x 14.6 x 17.3	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200 2,000 1,200 Unlimited 1.7 × 17.3 × 11.85	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,200 400 500 1,250 2,600 2,400 1,500 Unlimited	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FleXi Ports Module	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300 450 1,000 750 550 Unlimited 1.7 x 14.6 x 17.3 4.4 x 37.2 x 44	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,250,000 1,250 Unlimited 1.7 × 14.6 × 17.3 4.4 × 37.2 × 44	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,000 2,200 2,000 1,200 Unlimited 1.7 × 17.3 × 11.85 4.4 × 43.9 × 30.1	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,200 400 500 1,250 2,600 2,400 1,500 Unlimited 1.7 x 17.3 x 11.85 4.4 x 43.9 x 30.1	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Therfaces Copper GbE Ports FleXi Ports Module ^{***} (for XP Appliances) 1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{**} Firewall Throughput (DDP) (Mbps) Firewall Throughput (TCP) (Mbps) Firewall Throughput (TCP) (Mbps) SSE VPN Throughput (Mbps) No. of IPSec Tunnels SSL VPN Throughput (Mbps) NAF Protected Throughput (Mbps) NAF Protected Throughput (Mbps) ST Throughput (Mbps) ST Throughput (Mbps) Authenticated Users/Nodes Dimensions H x W x D (inches) H x W x D (cms) Appliance Weight Power	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300 400 200 300 450 1,000,000 400 200 300 450 1,000,000 450 1,000 750 550 Unlimited 1.7 x 14.6 x 17.3 4.4 X 37.2 X 44 5 kg, 11.02 lbs	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400 1,200 750 Unlimited 1.7 x 14.6 x 17.3 4.4 X 37.2 X 44 5 kg, 11.02 lbs	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 1,500,000 800 300 450 1,500,000 1,500,000 800 300 450 1,500,000 1,200 1,21,211,85 1,4 4 x 43,9 x 30.1 5,1 kg, 11.24 lbs	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400 1,550 2,600 2,400 1,500 Unlimited 1.7 x 17.3 x 11.85 4.4 x 43.9 x 30.1 5.1 kg, 11.24 lbs	33.5W	47.8W
nput Voltage Consumption Total Heat Dissipation (BTU) Specifications Copper GbE Ports FleXi Ports Module ^{***} (for XP Appliances) FleXi Ports Module ^{***} (for XP Appliances) I GBE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) JSB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{**} Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) New sessions/second Concurrent sessions PSec VPN Throughput (Mbps) No. of IPSec Tunnels SSL VPN Throughput (Mbps) NAF Protected Throughput (Mbps) ANF Protected Throughput (Mbps) SP SThroughput (Mbps) JTM Throughput (Mbps) JTM Throughput (Mbps) Authenticated Users/Nodes Dimensions H x W x D (inches) H x W x D (cms) Appliance Weight Power nput Voltage	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300 450 1,000,000 450 1,000,000 450 1,000,000 450 1,000 200 300 450 1,000 200 30,000 1,000,000 450 1,000,000 1,000,000 450 1,000,000 1,000,000 450 1,000,000 1,000,000 1,000,000 450 1,000,000 1,000	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,250,000 450 250 400 700 1,250,000 450 250 400 700 1,250,000 450 250 400 700 1,250,000 450 250 400 700 1,200 750 Unlimited 1.7 x 14.6 x 17.3 4.4 X 37.2 X 44 5 kg, 11.02 lbs 100-240VAC	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 1,500,000 800 300 450 1,500,000 1,500,000 800 300 450 1,500,000 1,200	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400 1,250 2,600 2,400 1,500 Unlimited 1.7 x 17.3 x 11.85 4.4 x 43.9 x 30.1 5.1 kg, 11.24 lbs 100-240VAC	33.5W	47.8W
Power Input Voltage Consumption Total Heat Dissipation (BTU) Specifications Interfaces Copper GbE Ports FleXi Ports Module ^{***} (for XP Appliances) (1 GbE Copper / 1 GbE SFP / 10 GbE SFP) Console Ports (RJ45) USB Ports Hardware Bypass Segments ^{**} Configurable Internal/DMZ/WAN Ports System Performance ^{***} Firewall Throughput (UDP) (Mbps) Firewall Throughput (TCP) (Mbps) New sessions/second Concurrent sessions IPSec VPN Throughput (Mbps) No. of IPSec Tunnels SSL VPN Throughput (Mbps) WAF Protected Throughput (Mbps) Anti-Virus Throughput (Mbps) WAF Protected Throughput (Mbps) UTM Throughput (Mbps) UTM Throughput (Mbps) Authenticated Users/Nodes Dimensions H x W x D (inches) H x W x D (cms) Appliance Weight Power Input Voltage Consumption Total Heat Dissipation (BTU)	13.2W 45 50iNG 8 - 1 2 2 Yes 3,250 3,000 30,000 1,000,000 400 200 300 400 200 300 450 1,000,000 400 200 300 450 1,000,000 450 1,000 750 550 Unlimited 1.7 x 14.6 x 17.3 4.4 X 37.2 X 44 5 kg, 11.02 lbs	33.5W 114 100iNG 8 - 1 2 2 Yes 4,500 3,500 45,000 1,250,000 450 250 400 700 1,400 1,200 750 Unlimited 1.7 x 14.6 x 17.3 4.4 X 37.2 X 44 5 kg, 11.02 lbs	47.8W 163 200iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 10,000 8,000 70,000 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 800 300 450 1,500,000 1,500,000 800 300 450 1,500,000 1,500,000 800 300 450 1,500,000 1,200 1,21,211,85 1,4 4 x 43,9 x 30.1 5,1 kg, 11.24 lbs	13.2W 45 300iNG/XP 10 / 6 8 / 8 / 4 1 2 2 Yes 12,000 9,500 85,000 2,000,000 1,200 400 500 1,250 2,600 2,400 1,550 2,600 2,400 1,500 Unlimited 1.7 x 17.3 x 11.85 4.4 x 43.9 x 30.1 5.1 kg, 11.24 lbs	33.5W	47.8W

Environmental Conditions: Operating Temperature 0 °C to 40 °C, Storage Temperature -25 °C to 75 °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." Additional Purchase required, only single FleXi Ports Module can be used at a time.

Toll Free Numbers

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used at a time.