

MountainBox EVEREST

1000 Specifications

Interfaces

- Maximum number of Available Ports 6
- Configurable Internal/DMZ/WAN Ports Yes
- USB Ports 6

System Performance

- Firewall Throughput (UDP)(Gbps) 8
- Firewall Throughput (TCP)(Gbps) 8
- New Sessions per Second 200,000
- Concurrent Sessions 2,000,000
- VPN Throughput (Gbps) 2
- Number of IPSec VPN Tunnels Logically Unrestricted by TC
- IPS Throughput (Gbps) 3.5
- Fully Protected Throughput (Gbps) 1

Stateful Inspection Firewall

- Deep Packet Inspection Firewall
- Layer 7 (Application/Next Generation) Firewall
- Policy Enforced
- Packet Filtering
- Multiple Security Zones
- Access Control Criteria (ACC) : User – Identity, Source and Destination Zone, MAC and IP Address, Service
- Security Policies – IPS, Web Filtering, Application Filtering 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 *

Application Filtering

- Inbuilt Application Category Database
- Schedule-based Access Control
- Block
 - P2P Applications i.e. Skype
 - Anonymous Proxies i.e. Ultra surf
 - "Phone home" Activities
 - Keylogger
- Layer 7 (Application) Visibility

Intrusion Prevention System (IPS)

- Signatures: Default (4,500+), Custom
- IPS Policies: Multiple, Custom
- User-based Policy Creation
- Automatic real-time updates
- Protocol Anomaly Detection
- DDoS Attack Prevention

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

Administration and System Management

- Web-based configuration wizard
- Role-based access control
- Firmware Upgrades via Web UI
- Web 2.0 compliant UI (HTTPS)
- SNMP (V1, V2, V3)
- Network Time Protocol Support

User Authentication

- Internal Database
- Active Directory Integration
- External LDAP/RADIUS database integration
- RSA SecurID Support
- External Authentication – Users and Administrators
- User/MAC Binding

Logging and Monitoring

- Graphical real-time and historical monitoring
- Email notifications of reports, gateway status
- Syslog support
- Log viewer – Firewall, IPS, Web filter, Authentication, System and Admin Events

On-Appliance Reporting

- Integrated Web-based Reporting tool
- Historical and Real-time reports
- Multiple Dashboards
- Reports – Security, Traffic, VPN
- Automated Report Scheduling

Virtual Private Network

- IPSec, OpenVPN (SSL), L2TP, PPTP
- Encryption – DES, 3DES, AES, Blowfish, CAST128
- Hash Algorithms – Preshared key, Digital certificates
- IPSec NAT Traversal
- Deadpeer 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
- Hub and Spoke VPN support

OpenVPN (SSL) VPN

- TCP and UDP Tunneling
- Authentication – Active Directory, LDAP, RADIUS, Local
- Multi-layered Client Authentication – Certificate, Username/Password
- User and Group Policy Enforcement
- Network Access – Split and Full tunneling
- Administrative controls – Session timeout, Dead detection

Web Filtering *

- Inbuilt Web Category Database
- URL, keyword, file type block
- Categories: Default, 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

Bandwidth Management

- Application and User Identity based Bandwidth Management
- Guaranteed and Burstable bandwidth policy
- Application and User Identity based Traffic Discovery
- Multi WAN bandwidth reporting
- Category-based bandwidth restriction

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

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, POP3, IMAP, IM, VPN Tunnels
- Customise individual user scanning
- Self service quarantine area
- Scan and deliver by file size
- Block by file types
- Add disclaimer/signature

Wireless WAN

- USB port 3G/LTE/4G and Wimax Support
- Ethernet 3G/LTE/4G and Wimax Support
- Primary WAN link
- WAN Backup link

Networking

- Failover – Automated Failover/Failback, Multi-WAN Failover, 3G/LTE/4G, VSAT, Fibre, Copper, etc. Failover
- WRR based Load Balancing
- Policy routing based on Application and User
- IP Address Assignment – Static, PPPoE, L2TP, PPTP, DDNS Client, Proxy ARP, DHCP server, DHCP relay
- Integral HTTP Proxy *
- Dynamic Routing: RIP v1 and v2, OSPF, BGP, IGMP
- Parent Proxy support with FQDN
- IPv6 Ready

High Availability

- Active-Active
- Active-Passive with State Synchronisation
- Stateful failover
- Alerts on appliance status change

IPSec VPN Client

- Inter-operability with major IPSec VPN Gateways
- Supported platforms: Windows 2008 32/64-bit, Windows Vista 32/64-bit, Windows 7 32/64-bit, Windows 8
- Import Connection configuration

Certification

- FCC
- CE
- RoHS
- CB
- TUV

Hardware Specifications

- Processor Quad-Core Intel Xeon
- Memory Cache 8 MB
- Memory (min/max) 4 GB/32GB
- HDD (min/max) 2 x 500GB/8TB
- PSU (min/max) 1 x 460W/2 x 460W
- RAID (hardware) RAID 0 & 1, LSI SAS

Compliance

- FCC - Verified to comply with Part 15 of the FCC Rules, Class A
- Canada ICES-003, issue 4, Class A
- UL/IEC 60950-1
- CSA C22.2 No. 69950-1-07
- NOM-019
- Argentina IEC60950-1
- Japan VCCI, Class A
- Australia/New Zealand AS/NZS CISPR 22:2009, Class A
- IEC-60950-1:2001 (CB Certificate and CB Test Report)
- Taiwan BSMI CNS 13438, Class A; CNS 14336-1
- China CCC (4943-2001), GB 9254-2008 Class A, GB 17625.1:2003
- Korea KN22, Class A; KN24
- Russia/GOST ME01, IEC-60950-1, GOST R 51318.22-99, GOST R 51318.24-99, GOST R
- 51317.3.2-2006, GOST R 51317.3.3-2008
- IEC 60950-1 (CB Certificate and CB Test Report)
- CE Mark (EN55022 Class A, EN60950-1, EN55024, EN61000-3-2, EN61000-3-3)
- CISPR 22, Class A
- TUV-GS (EN60950-1 /IEC60950-1, EK1-ITB2000)

Dimensions

- H x W x D 43mm x 439mm x 576mm
- Weight (min/max) 9,3kg/10,7kg

Power

- Input Voltage 100-240 VAC
- Consumption 200W

Environmental

- Operating Temperature 10 to 35 °C
- Storage Temperature 10 to 32 °C
- Relative Humidity 8 to 80%

* Additional. Throughput performance is measured based on HTTP traffic as per RFC guidelines. Actual performance may vary depending on the real network traffic environments.

Telephone +27 87 985 0062
Telefax +27 11 450 3117
Email info@mountainbox.co.za
Web www.mountainbox.co.za

Copyright © 2011 - 2013 5th Mountain Networks (Pty) Ltd. All Rights Reserved. MountainBox and iDiG 2.0 are trademarks of 5th Mountain Networks (Pty) Ltd. Although 5th Mountain Networks has attempted to provide accurate information, 5th Mountain Networks assumes no responsibility for accuracy or completeness of information neither is this a legally binding representation. 5th Mountain Networks has the right to change, modify, transfer or otherwise revise this publication without notice.

