



OpenBrick-E



Neo



Twister



1U Server

Multi-WAN Router to Provide Un-Interrupted Internet!

Hacom pfSense Mercury provides the most advanced solution in its class, including stateful inspection firewall, Virtual Private Network (VPN), multi-wan load balancing and failover, WiFi hotspot and captive portal. The Mercury is designed to fulfill the demands of Small- and Medium-Businesses requiring an advanced LAN and WAN router solution that offers the highest level of protection, while allowing expansion of the network infrastructure without compromising its security.

Load Balancing

Load balancing optimizes usages of internet resources. QOS can be setup to prioritize packets routing for VoIP/SIP application.

Redundancy

“Seamless” Failover provides reliable and un-interrupted access to Internet. High Availability is setup throug CARP clustering.

Virtual Private Network

(VPN) allows secure connections between branches or remote offices. The Mercury achieves the maximum **80Mbps AES-256 IPSec** throughput via its Padlock ACE built-in hardware.

Highlights

Stateful Inspection Firewall enforces security policies and resists malicious attacks.

Easy configuration , security management and monitoring of network infrastructure.

* Performance depends on network environment and configuration of the firewall.

Performance*

Suggested Users: 10-50
Firewall throughput: 200Mbps
Concurrent connections: 200,000

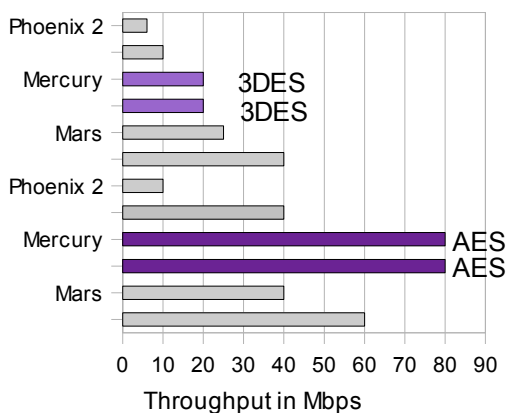
Network Address Translation (NAT) protects and hides internal network information from the outside world.

VPN offers significant savings over leased connections between branches or remote offices.

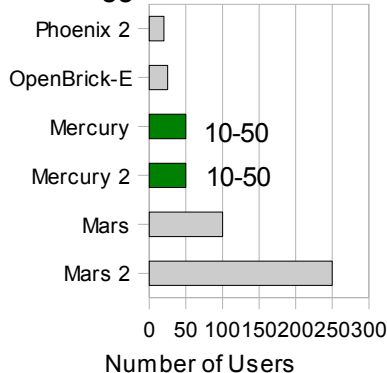
Captive portal allows secure wireless internet access in public areas: such as hotels, libraries, internet cafe or schools.

RRD graphs report detailed information about the state of the firewall as well as the networks it protects.

IPSec VPN Performance



Suggested Users



Features

Network Security

- Stateful Inspection
- Transparent layer 2
- Multiple Public IPs
- Traffic shaper
- QOS/VoIP/SIP support
- DoS and DDoS Protection
- Defense against SYN/ICMP Flood
- Anti-Spoofing
- Ability to detect and to filter based on Operating System in use

Firewall State table

- Finely control
- Adjustable state table size
- Per-rule basis
- State types
- Various state table optimization options.

Virtual Private Network (VPN)

- IPSec
- OpenVPN
- PPTP
- Encryption: 3DES, AES
- Authentication: pre-shared key, certification, local

Network Address Translation (NAT)

- Port forwarding
- 1:1 NAT
- Outbound NAT
- NAT reflection

Configuration and Management

- Web-based Administration
- Secure Shell (ssh) access
- Console access

Reporting and Monitoring

- RRD Graphs of system, firewall states, throughputs
- Real-time data

Captive Portal

- Hotspot wireless network
- URL Redirection
- Authentication options: none, local or Radius
- Radius capabilities

Load Balancing

- Outbound
- Inbound

Redundancy

- WAN failover

Routing

- Static routes
- RIP v1 and 2

Hardware Specifications	Mercury	Mercury (Wireless)	Mercury II	Mercury II (Wireless)
Systemboard	CV700A3U10		CV763A4U10	
CPU	VIA C7 1Ghz			
Memory	512MB			
Storage	1 GB CF (compact flash) or 1 GB DOM (Disk-On-Module)* * DOM is more durable than compact flash due to its built-in wear-leveling function			
Ethernet	3 x 10M/100M/1G		4 x 10M/100M/1G	
Wireless	-	802.11b/g	-	802.11b/g
Cooling	Fanless (Except for 1U Server case)			
Hardware Warranty	1 year limited			

Case	OpenBrick-E	Neo	Twister	1U Server
Dimensions	220mm x 170mm x 44mm	220mm x 170mm x 44mm	300mm x 200mm x 75mm	430mm x 200mm x 44mm



Contact Information:

Hacom, 205 N Bush St, Santa Ana, CA 92701 Phone: 714-564-9932

E-mail: sales@hacom.net

Website: www.hacom.net