



Phoenix 2



OpenBrick-E

Advanced Firewall to Protect Your Business!

Hacom pfSense Phoenix 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 Phoenix is designed to fulfill the demands of Small- and Medium-Businesses requiring an advanced firewall solution that offers the highest level of protection, while allowing expansion of the network infrastructure without compromising its security.

Captive Portal

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

Detailed Reports

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

Virtual Private Network

(VPN) securely connects branches or remote offices together. It also allows tele-commuter to securely access internal network.

Highlights

Stateful Inspection Firewall enforces security policies and resists malicious attacks.

Easy configuration , security management and monitoring of network infrastructure.

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.

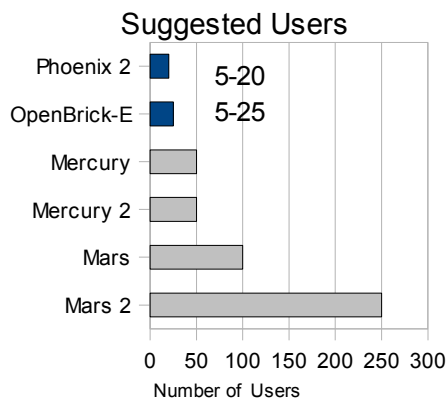
Multit-WAN load balancing optimizes usages of internet resources.

Failover provides reliable and uninterrupted internet connectivities.

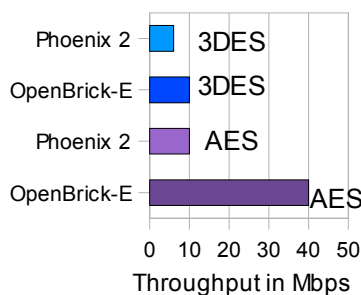
* Performance depends on network environment and configuration of the firewall.

Performance*

Suggested Users: 5-20
Firewall throughput: 80Mbps
Concurrent connections: 80,000-100,000



IPSec VPN Performance



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 128/256 bits
- 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 as well as traffic shapping
- 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	Phoenix 2	Phoenix 2 (Wireless)	OpenBrick-E	OpenBrick-E (Wireless)
Systemboard	ES466B		CV700A3R50	
CPU	AMD Geode GX 333Mhz		VIA C7 500Mhz	
Memory	256MB			
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	2 x 10M/100M	3 x 10M/100M	
Wireless (w/ 5dbi dipole antenna)	-	802.11b/g	-	802.11b/g
Cooling	Fanless			
Dimensions	160mm x 155mm x 44mm		220mm x 170mm x 44mm	
Hardware Warranty	1 year limited			



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