



Enterprise networks grow larger and more complex every day—and more critical to key business operations. The Barracuda NG Firewall is an essential tool to **optimize the performance, security, and availability of today's dispersed enterprise WANs.**

- Security
- Data Protection
- Networking

The Barracuda Advantage

Effective WAN Management

- Application-based traffic prioritization across the WAN
- Intelligent uplink balancing
- Intelligent traffic re-prioritization on uplink loss

Enterprise Readiness

- Industry-leading centralized management
- WAN optimization
- Global WAN monitoring with Barracuda NG Earth

Scalable Security

- Drag-and-drop VPN graphical tunnel interface
- Integrates with cloud-based Barracuda Web Security Service

Product Spotlight

- Powerful next-generation network firewall
- Intelligent traffic regulation and profiling
- Centralized management of all functionality
- Deep application control
- Comprehensive, built-in IDS/IPS
- Tightly integrated QoS and link balancing
- Template-based and role-based configuration
- Built-in web security (model F100 and higher)



Integrated Next-Generation Security

The Barracuda NG Firewall is designed and built from the ground up to provide comprehensive, next-generation firewall capabilities. Cloud-hosted content filtering and reporting offload compute-intensive tasks to the cloud for greater resource efficiency and throughput. Based on application visibility, user-identity awareness, intrusion prevention, and centralized management, the Barracuda NG Firewall is the ideal solution for today's dynamic enterprises.



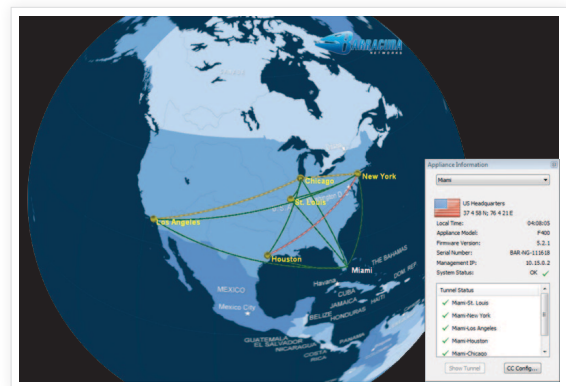
Regaining Control of User Activity

The Barracuda NG Firewall restores control to networks made opaque and unmanageable by mobile devices at work, Web 2.0 applications, increasing dispersion, and the growing integration and dependence on cloud-based resources. It extends security coverage beyond network boundaries, and makes it easy to monitor and regulate everything the network and its users are doing.



True Enterprise Readiness

The Barracuda NG Firewall meets the enterprise requirements for massive scalability and efficient management across dispersed networks. Integrated WAN optimization and dedicated centralized management appliances enable organizations to increase system availability while keeping administrative time and operation costs low.



Monitor WAN activity in real time with Barracuda NG Earth

Traffic prioritization and redundant line failover were the basic requirements to ensure that business processes could run smoothly in the global RHI network. In our estimation Barracuda NG Firewalls provide unrivalled functionality here that cannot be achieved by other products.

*Gottfried Hofreither
Chief Information Officer, RHI AG (Austria)
>100 centrally managed NG Firewalls*

Technical Specs

Firewall

- Stateful packet inspection and forwarding
- Intrusion Detection and Prevention System (IDS/IPS)
- Application control and granular application enforcement
- Interception and decryption of SSL/TLS encrypted applications
- Denial of Service protection (DOS/DDOS)
- Spoofing and flooding protection
- ARP spoofing and trashing protection
- DNS reputation filtering
- TCP stream reassembly
- Transparent proxying (TCP)
- NAT (SNAT, DNAT), PAT
- Dynamic rules / timer triggers
- Single object-oriented rule set for routing, bridging, and routed bridging
- Virtual rule test environment

Intrusion Detection and Prevention

- Protection against exploits, threats and vulnerabilities
- Packet anomaly and fragmentation protection
- Advanced anti-evasion and obfuscation techniques
- Automatic signature updates

Traffic Optimization

- Link monitoring, aggregation and failover
- Source-based routing
- Traffic shaping and QoS
- On-the-fly flow reprioritization
- Stream and packet compression
- Byte-level data deduplication
- Protocol optimization (SMBv2)

Mobile Connectivity

- iOS and Android mobile device VPN support

VPN

- Drag & drop VPN tunnel configuration
- Secure site-to-site, client-to-site VPN
- Supports AES-128/256, 3DES, DES, null ciphers
- Private CA or external PKI
- IPsec VPN / SSL VPN
- VPNC certified (basic interoperability)
- Application-aware traffic routing
- PPTP / L2TP (IPSec)
- Network Access Control

High Availability

- Active-active¹ or active-passive
- Transparent failover without session loss
- Network notification of failover
- Encrypted HA communication

Central Management Options

- Barracuda NG Control Center
 - Unlimited firewalls
 - Support for multi-tenancy
 - Multi-administrator support and RCS

Infrastructure Services

- DHCP server, relay
- SIP, HTTP, SSH, FTP proxies
- SNMP and IPFIX support
- DNS Cache
- SMTP gateway and SPAM filter
- Wi-Fi (802.11n) access point on selected models
- User authentication via Captive Portal
- Windows Active Directory agent for transparent user to IP mapping
- Authentication – supports x.509, NTLM, RADIUS, RSA SecurID, LDAP/LDAPS, Active Directory, TACACS+, SMS Passcode (VPN), local authentication database

Protocol Support

- IPv4, IPv6, ARP
- BGP/OSPF/RIP
- VoIP (H.323, SIP, SCCP [skinny])
- RPC protocols (ONC-RPC, DCE-RPC)
- 802.1q VLAN

Support Options

Barracuda Energize Updates

- Standard technical support
- Firmware updates
- IPS signature updates
- Application control definition updates

Instant Replacement Service

- Replacement unit shipped next business day
- 24x7 technical support
- Hardware refresh every four years

Security Options

- Barracuda Web Security Service (Cloud-based web security)
 - Barracuda NG Malware Protection
- Barracuda NG SSL VPN and NAC
 - Clientless access
 - Network Access Control validates client security access

MODEL COMPARISON	F10	F100	F200	F300	F400	F600	F800	F900
CAPACITY								
Firewall Throughput ²	300 Mbps	300 Mbps	350 Mbps	350 Mbps	3.9 Gbps	4.7 Gbps	10 Gbps	21.0 Gbps
VPN Throughput ³	85 Mbps	85 Mbps	160 Mbps	160 Mbps	700 Mbps	950 Mbps	2.2 Gbps	3.78 Gbps
IPS Throughput ²	60 Mbps	60Mbps	84 Mbps	84 Mbps	950 Mbps	1316 Mbps	3.1 Gbps	4.65 Gbps
Concurrent Sessions	2,000	8,000	70,000	70,000	300,000	300,000	500,000	1,000,000
New Sessions Per Second	1,000	1,500	2,500	2,500	16,000	16,000	35,000	100,000
HARDWARE								
Form Factor	Desktop mini	Desktop	Desktop	1U Rack Mount	1U Rack Mount	1U Rack Mount	1U Rack Mount	2U Rack Mount
Dimensions (in)	1.9 x 9.5 x 6.5	2.0 x 14.8 x 7.5	2.0 x 14.8 x 7.5	1.7 x 16.8 x 13.0	1.7x16.8 x 17.7	1.7 x 16.8 x 15.6	1.7 x 17.0 x 20.5	3.5 x 17.4 x 26.0
Weight (lbs)	4.4	7.7	7.9	9.9	12.0	12.7	28.6	39.6
Copper Ethernet NICs (std/max)	4x1GbE	4x1GbE	4x1GbE	4x10/100+4x1GbE	8x1GbE	10x1GbE+1x10/100	12/20x1GbE	0/24x1GbE+1 10/100
1Gb Fiber SFP NICs (std/max)						0/4	0/4	0/12
10Gb Fiber SFP+ NICs (std/max)							0/2	0/6
Power Supply	Single, external	Single, external	Single, external	Single, internal	Single, internal	Single, internal	Dual, internal	Dual, internal
3G USB Modem	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
FEATURES								
Firewall	●	●	●	●	●	●	●	●
Application Control	●	●	●	●	●	●	●	●
IPS	●	●	●	●	●	●	●	●
Web Security	● ⁴	●	●	●	●	●	●	●
Intelligent Traffic Flow Control	●	●	●	●	●	●	●	●
IPsec VPN	●	●	●	●	●	●	●	●
WAN Optimization			●	●	●	●	●	●
Spam Filter			●	●	●	●	●	●

¹With external link balancer only

²Measured with large packets (MTU1500)

³VPN throughput using AES128 NOHASH

⁴With Barracuda Web Security Service subscription