

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

- Storage
- Application Delivery
- Productivity

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

- Cloud Enablement and secure WAN Virtualization
- Drag-and-drop VPN graphical tunnel interface

Product Spotlight

- Powerful next-generation network firewall
- Advanced Threat Detection
- Built-in web security
- Comprehensive, built-in IDS/IPS
- Full application visibility and granular control
- Intelligent traffic regulation including application-based link selection
- Tightly integrated Quality of Service (QoS) and link balancing
- Centralized management of all functionality
- Template-based and role-based configuration



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.



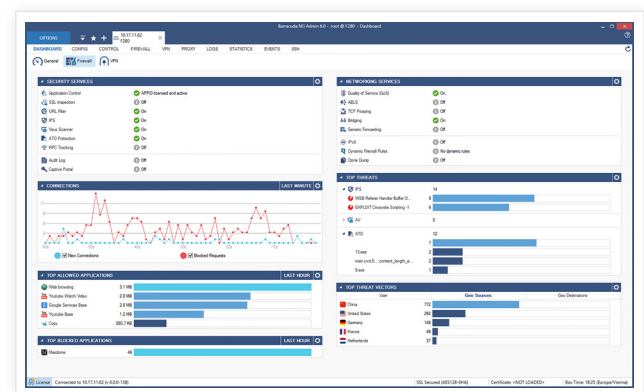
Regaining Control of User Activity

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 distributed networks. Integrated WAN optimization and dedicated centralized management appliances enable organizations to increase system availability while keeping administrative time and operation costs low.



The Barracuda NG Firewall dashboard provides real-time information and summaries of what is going on in an organization's network.

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 unrivaled 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
- Full user-identity awareness
- 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
- Antivirus and URL filtering right in the firewall engine

User Identity Awareness

- Terminal Server Agent
- Domain Controller Agent
- Authentication – supports x.509, NTLM, RADIUS, RSA SecurID, LDAP/LDAPS, Active Directory, TACACS+, SMS Passcode (VPN), local authentication database

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
- Dynamic path routing
- Application-based link selection
- Traffic shaping and QoS
- On-the-fly flow reprioritization
- Stream and packet compression
- Byte-level data deduplication
- Protocol optimization (SMBv2)

Advanced Threat Detection

- Dynamic, on-demand analysis of malware programs (sandboxing)
- Dynamic analysis of documents with embedded exploits (PDF, Office, etc.)
- Detailed forensics for both, malware binaries and web threats (exploits)
- Support for multiple operating systems (Windows, Android, etc.)
- Flexible malware analysis in the cloud

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
- iOS and Android mobile device VPN support

High Availability

- Active-active (requires external link balancer) 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 & 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

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
- Online web filter

Instant Replacement Service

- Replacement unit shipped next business day
- 24/7 technical support
- Free hardware refresh every four years

Security Options

- Barracuda Advanced Threat Detection (Model F200 and higher)
- Barracuda NG Web Security (Model F100 and higher)
 - Barracuda NG Web Filter
 - Barracuda NG Malware Protection

- Barracuda NG SSL VPN and NAC (Model F200 and higher)
 - Clientless access
 - Network Access Control validates client security access

MODEL COMPARISON	F10	F100 F101	F200 F201	F280	F300 F301	F380	F400 STD SFP	F600 STD SFP SFP+	F800 STD SFP SFP+	F900 STD SFP+ SFP+	F1000 STD SFP+ SFP+											
CAPACITY																						
Firewall Throughput ¹	300 Mbps	300 Mbps	650 Mbps	1.6 Gbps	680 Mbps	3.8 Gbps	5.0 Gbps	16.3 Gbps ⁵	19.6 Gbps ⁵	22.2 Gbps ⁵	40 Gbps ⁵											
VPN Throughput ²	85 Mbps	85 Mbps	120 Mbps	310 Mbps	370 Mbps	750 Mbps	960 Mbps	2.3 Gbps ⁵	6.8 Gbps ⁵	7.6 Gbps ⁵	10 Gbps ⁵											
IPS Throughput ¹	60 Mbps	60 Mbps	115 Mbps	450 Mbps	125 Mbps	1.1 Gbps	1.5 Gbps	3.9 Gbps ⁵	4.8 Gbps ⁵	5.4 Gbps ⁵	10 Gbps ⁵											
Concurrent Sessions	2,000	8,000	35,000	100,000	70,000	200,000	310,000	2,000,000 ⁵	2,500,000 ⁵	2,800,000 ⁵	3,500,000 ⁵											
New Session/s	1,000	1,500	2,500	9,000	2,500	9,500	16,000	110,000 ⁵	150,000 ⁵	160,000 ⁵	160,000 ⁵											
HARDWARE																						
Form Factor	Desktop mini		Desktop			1U rack mount			2U rack mount													
Dimensions (in)	9.4x6.5x1.2		14.7x7.5x2.0		10.7x7.7x1.7		16.9x13.0x1.7		16.8x14.5x1.7		16.8x17.7x1.7		17.4x20.4x1.7		17.4x26.0x3.5		16.9x24.6x3.4					
Weight (lbs)	4.4		7.7		8.0		5.1		9.9		14.3		15.4		18.7		28.7		39.7		44.0	
Copper Ethernet NICs	4x1 GbE		4x1 GbE		4x1 GbE		4x1 GbE		4x1 GbE+		8x1 GbE		8x1 GbE		8x1 GbE		8x1 GbE		8x1 GbE		8x1 GbE	
1Gb Fiber SFP NICs									4x1 GbE		4x1 GbE		4x1 GbE				8x1 GbE				16x1 GbE	
10Gb Fiber SFP+ NICs											2x10 GbE		4x10 GbE		4x10 GbE		4x10 GbE		4x10 GbE		8x10 GbE	
Power Supply	Single (ext.)						Single		Dual ⁶		Single ⁷		Dual ⁶									
3G USB Modem	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
FEATURES																						
Firewall	●	●	●	●	●	●	●	●	●	●	●											
Application Control ³	●	●	●	●	●	●	●	●	●	●	●											
IPS ³	●	●	●	●	●	●	●	●	●	●	●											
Dynamic Path Routing	●	●	●	●	●	●	●	●	●	●	●											
VPN	●	●	●	●	●	●	●	●	●	●	●											
SSL Interception			●	●	●	●	●	●	●	●	●											
Antivirus ⁴			●	●	●	●	●	●	●	●	●											
WAN Optimization			●	●	●	●	●	●	●	●	●											
Spam Filter			●	●	●	●	●	●	●	●	●											
NG Web Security		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional											
NG SSL VPN and NAC			Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional											
Advanced Threat Detection			Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional											

¹ Measured with large packets (MTU1500) ² VPN throughput using AES128 NOHASH ³ Requires Energize Updates subscription. ⁴ Requires Barracuda NG Web Security or Barracuda NG Malware Protection subscription. ⁵ Measured with 10GbE fiber ports ⁶ Internal dual hot swap power supply ⁷ Internal dual hot swap power supply optional. Specifications subject to change without notice.