



Barracuda NG Firewall

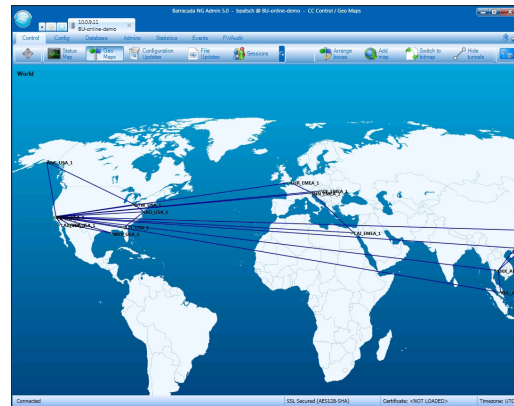
Provides application and identity-aware protection for distributed networks

The Barracuda NG Firewall is a family of hardware and virtual appliances designed to protect network infrastructure, improve site-to-site connectivity and simplify administration of network operations. Beyond its powerful network firewall and VPN technologies, the Barracuda NG Firewall integrates a comprehensive set of next generation firewall technologies, including Layer 7 Application Control, intrusion prevention, Web filtering, anti-virus, anti-spam and network access control.

Central Management Across the Enterprise

With hardware models available for branch offices up to headquarters and data centers, and a corresponding offering of virtual appliances, the Barracuda NG Firewall is designed for deployment across the entire enterprise. Through the Barracuda NG Control Center, administrators can manage security, content and traffic management policies from a single interface. Centralized management of security and content policy provides a number of benefits, including:

- Consistent security posture and policy enforcement across the enterprise
- Real-time accounting and reporting across multiple gateways
- Comprehensive history and rollback of configuration and policy changes across the network
- Centralized version control of anti-spam, anti-virus, content filtering and Network Access Control updates



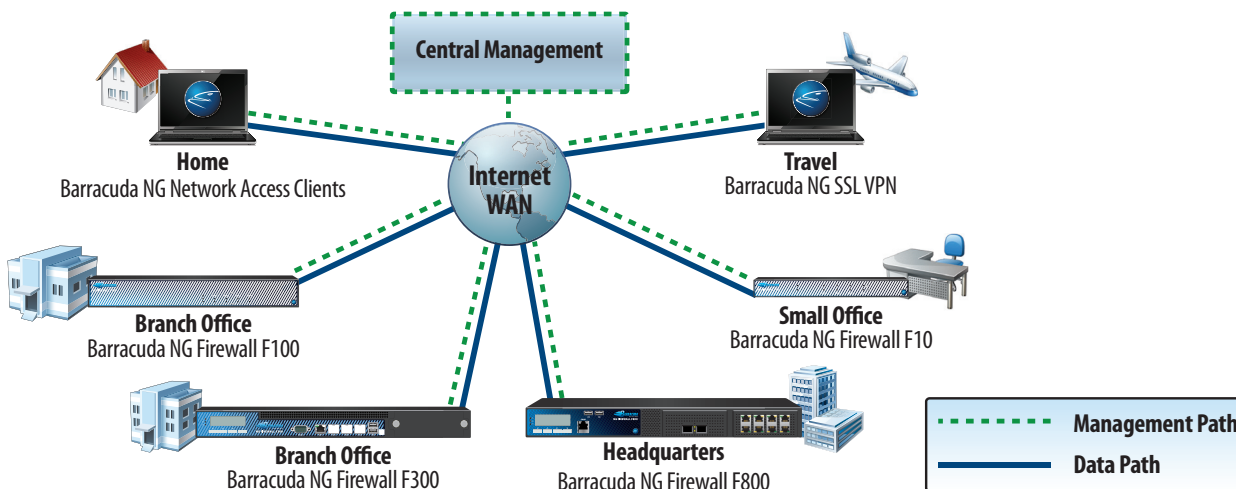
The Barracuda NG Firewall Control Center provides centralized, real-time monitoring of all the firewalls across the enterprise.

The Barracuda NG Firewall features intelligent site-to-site traffic management capabilities that optimize both availability and performance of the Wide Area Network. Administrators can control application-level routing and prioritization of traffic across multiple links, tunnels and traffic conditions. Supported link types include dedicated lines, xDSL, 3G wireless mobile networks, and any other link types presented as a copper or optical Ethernet link.

Stops Threats and Reduces Administrative Overhead

The Barracuda NG Firewall is an application-aware firewall designed to mitigate threats, enforce policies and optimize traffic flow – resulting in ultra reliable WAN links. Centralized management provides visibility of the entire network, reducing administrative overhead.

Typical Deployment



BARRACUDA NG FIREWALL

- MODEL
- F10
- F100
- F200
- F300
- F400
- F600
- F800
- F900



BARRACUDA NG FIREWALL

MODEL F10 F100 F200 F300 F400 F600 F800 F900

PARTIAL FEATURE LIST

Firewall / VPN Features

FIREWALL

- Stateful packet forwarding
- Intrusion Prevention (IPS)
- Transparent proxying (TCP)
- NAT (src,dst,nets), NAPT, PAT
- Object-oriented rule sets
- Dynamic rules / timer triggers
- Virtual rule test environment
- Jumbo frame support

TRAFFIC OPTIMIZATION

- Link monitoring and aggregation
- Policy routing
- Traffic shaping
- On-the-fly flow reprioritization
- WAN compression

INFRASTRUCTURE SERVICES

- DHCP server, relay
- HTTP, SSH, FTP proxies
- SMTP gateway and spam filter
- WiFi (802.11b/g) access point on select models
- Authentication – supports x.509, NTLM, RADIUS, RSA SecurID, LDAP/LDAPS, Active Directory, TACACS+, local authentication

PROTOCOL SUPPORT

- IPv4, ARP, IPv6 (2011)
- VoIP (H.323, SIP, SCCP [skinny])
- RPC protocols (ONC-RPC, DCE-RPC)
- 802.1q VLAN
- IPinIP and GRE tunnels
- OSPF/RIP router
- SNMP agent

VPN

- PPTP / L2TP (IPSec)
- Supports AES-128/256, 3DES, DES, Null ciphers
- Private CA or external PKI
- IPsec VPN clients for Windows, Mac, Linux
- Application-aware traffic intelligence across sites

HIGH AVAILABILITY

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

Security Options

- Barracuda NG Web Security
 - Barracuda NG Web Filter
 - Barracuda NG Malware Protection
- Barracuda NG Secure Web Proxy (HTTPS traffic inspection option)
- Barracuda NG SSL VPN and NAC
 - Clientless access from Web browsers
 - Network Access Control validates client security access

Central Management Options

BARRACUDA NG CONTROL CENTER

- Standard Edition
 - 1 configuration grouping
 - Unlimited firewalls
- Enterprise Edition (1 tenant)
 - Single tenant
 - Unlimited configuration groupings
 - Unlimited firewalls
- Global Edition (multi-tenant)
 - Support for 5 tenants included
 - Unlimited configuration groupings
 - Unlimited firewalls
 - Additional tenant licenses available

Support Options

ENERGIZE UPDATES

- Standard technical support
- Firmware updates
- Layer 7 application definitions for control of more than 800 applications

INSTANT REPLACEMENT SERVICE

- Replacement unit shipped next business day
- 24x7 technical support

MODEL COMPARISON	MODEL F10	MODEL F100	MODEL F200	MODEL F300	MODEL F400	MODEL F600	MODEL F800	MODEL F900
CAPACITY*								
Firewall Throughput	150 Mbps ²	150 Mbps ²	350 Mbps ²	350 Mbps ²	1.8 Gbps ²	4.7 Gbps ²	9.2 Gbps ³	21.0 Gbps ³
VPN Throughput ⁴	85 Mbps	85 Mbps	160 Mbps	160 Mbps	430 Mbps	950 Mbps	1.45 Gbps	3.78 Gbps
IPS Throughput		33 Mbps	84 Mbps	84 Mbps	486 Mbps	1316 Mbps	2852 Mbps	4650 Mbps
Concurrent Sessions	8,000	8,000	70,000	70,000	300,000	300,000	500,000	1,000,000
New Sessions/s	1,300	1,500	2,500	2,500	7,000	16,000	35,000	100,000
HARDWARE								
Form Factor	Mini	Compact	Compact	1U Rackmount	1U Rackmount	1U Rackmount	1U Rackmount	2U Rackmount
Dimensions (in)	1.2 x 9.4 x 6.1	2.0 x 14.2 x 7.5	2.0 x 14.2 x 7.5	1.8 x 16.9 x 13	1.7 x 16.8 x 15.6	1.7 x 16.8 x 15.6	1.7 x 17.0 x 20.5	3.5 x 17.4 x 26.0
Dimensions (cm)	3.0 x 24.0 x 15.6	5.0 x 36.0 x 19.0	5.0 x 36.0 x 19.0	4.5 x 43.0 x 33.0	4.4 x 42.6 x 39.6	4.4 x 42.6 x 39.6	4.4 x 43.1 x 52.0	8.8 x 44.2 x 66.0
Weight (lbs/kg)	4.4 / 2.0	7.7 / 3.5	7.9 / 3.6	9.9 / 4.5	12 / 5.4	12.7 / 5.8	28.6 / 13	39.6 / 18
Copper Ethernet NICs	4x10/100	4x10/100	4x10/100	8x10/100	6x1GbE+1x 10/100	10x1GbE+1x10/100	8/16x1GbE	0/24x1GbE+1 10/100
1Gb Fiber SFP NICs (std/max)					0/4	0/4	0/4	0/12
10Gb Fiber SFP+ NICs (std/max)							0/2	0/6
Max Power Draw (Amps)	1.6	1.6	1.6	1.6	1.6	1.6	5	5
Power Supply	Single, external	Single, external	Single, external	Single, external	Single, internal	Single, internal	Single, internal	Dual, internal
Integrated Wi-Fi Access Point		F101	F201	F301				
3G USB Modem	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
FEATURES								
Firewall	✓	✓	✓	✓	✓	✓	✓	✓
IPsec VPN	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Traffic Flow Control	✓	✓	✓	✓	✓	✓	✓	✓
Layer 7 Application Control	✓	✓	✓	✓	✓	✓	✓	✓
IPS		✓	✓	✓	✓	✓	✓	✓
Web Filter		✓	✓	✓	✓	✓	✓	✓
Spam Filter			✓	✓	✓	✓	✓	✓
Wan compression			✓	✓	✓	✓	✓	✓
Barracuda NG Web Security		Optional	Optional	Optional	Optional	Optional	Optional	Optional
Barracuda NG Web Filter		Optional	Optional	Optional	Optional	Optional	Optional	Optional
Barracuda NG Malware Protection		Optional	Optional	Optional	Optional	Optional	Optional	Optional
Barracuda NG SSL VPN and NAC			Optional	Optional	Optional	Optional	Optional	Optional
Barracuda NG Secure Web Proxy						Optional	Optional	Optional

US 3.1 Virtual appliances also sold at 25, 50, 100, 250, 500 and 1,000 user levels. Call for more information.

Specifications subject to change without notice.

² Measured with large packets (MTU1500)

³ Measured with large packets (MTU9000)

⁴ VPN throughput using AES128 NOHASH

¹ With external load balancer only