

# Barracuda Web Application Firewall



Protect applications and data from advanced threats.

Barracuda Web Application Firewall blocks an ever-expanding list of sophisticated web-based intrusions and attacks that target the applications hosted on web servers and the sensitive or confidential data to which they have access. Placed between the Internet and web servers, Barracuda Web Application Firewall scans all inbound web traffic to block attacks, and scans outbound traffic to provide highly effective data loss prevention.

Barracuda Web Application Firewall simplifies application security so you can focus on your business. Its comprehensive feature set, versatile deployment options, and ease of use lets you automate many application security tasks, whether your web infrastructure lives on-site, in a virtualized environment, or in the cloud.

## Get nonstop protection from evolving threats

Barracuda Web Application Firewall provides superior protection against data loss, DDoS, and all known and unknown (zero-day) attack vectors. Automatic updates provide defense against new threats as they appear. As new types of threats emerge, it acquires new capabilities to block them.

## Simplify identity and access management

Barracuda Web Application Firewall has strong authentication and access control capabilities that ensure security and privacy by restricting access to sensitive applications or data to authorized users.

## Make advanced web app security easy

Pre-built security templates and intuitive web interface provide immediate security without the need for time-consuming tuning or application learning. Integration with security vulnerability scanners and SIEM tools automates the assessment, monitoring, and mitigation process.

## Technical specs

FEATURES	360	460	660	86X SERIES	96X SERIES	106X SERIES
<b>WEB APPLICATION SECURITY</b>						
OWASP Top 10 Web Application Security Risks Protection	✓	✓	✓	✓	✓	✓
Geo-IP and IP Reputation (including public proxies and Tor Nodes)	✓	✓	✓	✓	✓	✓
Smart Signatures	✓	✓	✓	✓	✓	✓
Outbound Data Theft Protection (Credit Cards, SSN etc.)	✓	✓	✓	✓	✓	✓
Adaptive Profiling	-	-	✓	✓	✓	✓
Exception Heuristics	✓	✓	✓	✓	✓	✓
Auto-Configuration Engine (Requires ABP Subscription)	✓	✓	✓	✓	✓	✓
File Upload Control	✓	✓	✓	✓	✓	✓
File Upload Security (Anti-Virus and Advanced Threat Protection) (ATP requires subscription)	-	-	✓	✓	✓	✓
Website Cloaking	✓	✓	✓	✓	✓	✓
Protocol Checks for HTTP and HTTPS traffic	✓	✓	✓	✓	✓	✓
Granular per URL/parameter policies	✓	✓	✓	✓	✓	✓
Rate Control	-	-	✓	✓	✓	✓
Client-Side Protection (Requires ABP License)	✓	✓	✓	✓	✓	✓
<b>API PROTECTION</b>						
Protection against OWASP Top 10 API Security Risks	Partial	Partial	✓	✓	✓	✓
API Security (JSON)	✓	✓	✓	✓	✓	✓
API Security (XML)	-	-	✓	✓	✓	✓
API Discovery (JSON)	✓	✓	✓	✓	✓	✓
API Discovery (XML)	-	-	✓	✓	✓	✓
<b>BOT PROTECTION</b>						
Web Scraping Protection including Known Bot Database	✓	✓	✓	✓	✓	✓
Advanced Bot Protection with Cloud-based Machine Learning (Requires ABP Subscription)	✓	✓	✓	✓	✓	✓
Barracuda Active Threat Intelligence (Requires ABP Subscription)	✓	✓	✓	✓	✓	✓
Bot Spam Protection (Referrer and Comment Spam)	✓	✓	✓	✓	✓	✓
Form Spam Protection	-	-	✓	✓	✓	✓
Credential Stuffing and Spraying Protection (Requires ABP Subscription)	-	-	✓	✓	✓	✓
Brute Force Attack Protection	✓	✓	✓	✓	✓	✓
CAPTCHA Support (Internal, reCAPTCHA v2 & v3)	✓	✓	✓	✓	✓	✓
<b>DDOS PROTECTION</b>						
Volumetric DDoS Protection (Requires ADP Subscription)	✓	✓	✓	✓	✓	✓
Application DDoS Protection	✓	✓	✓	✓	✓	✓

FEATURES	360	460	660	86X SERIES	96X SERIES	106X SERIES
<b>SECURE APPLICATION DELIVERY</b>						
TLS/SSL Offloading	✓	✓	✓	✓	✓	✓
Load Balancing & Content Routing	-	✓	✓	✓	✓	✓
Network HSM Support	-	-	✓	✓	✓	✓
Dynamic URL Encryption	-	-	✓	✓	✓	✓
HTTP/1.0, HTTP/1.1, HTTP/2.0, WebSocket, FTP/S & IPv6 Support	✓	✓	✓	✓	✓	✓
Request and Response Control (URL Translation)	✓	✓	✓	✓	✓	✓
Website Translations	-	✓	✓	✓	✓	✓
Caching and Compression	-	✓	✓	✓	✓	✓
<b>IDENTITY AND ACCESS CONTROL</b>						
Local Users/Group (Internal LDAP), Client Certificates	✓	✓	✓	✓	✓	✓
LDAP/Active Directory, RADIUS, Kerberos v5, SMS Passcodes, Okta support	-	✓	✓	✓	✓	✓
SAML, Azure AD, Duo Support, RSA SecurID integration, OpenID Connect, JWT	-	-	✓	✓	✓	✓
Azure AD	-	-	✓	✓	✓	✓
Enable single and multi-domain SSO	✓	✓	✓	✓	✓	✓
Enable MFA with RADIUS/ LDAP-based services	-	✓	✓	✓	✓	✓
<b>VIRTUAL PATCHING AND FEEDBACK LOOPS</b>						
Barracuda Vulnerability Remediation Service	✓	✓	✓	✓	✓	✓
Virtual Patching support for 20+ vulnerability scanners	✓	✓	✓	✓	✓	✓
<b>LOGGING AND REPORTING</b>						
Onboard logging (Web Firewall Logs, Access Logs, Audit Logs, Network Firewall Logs and System Logs)	✓	✓	✓	✓	✓	✓
On-demand and scheduled reporting with 30+ OOTB reports	✓	✓	✓	✓	✓	✓
Syslog Export	✓	✓	✓	✓	✓	✓
SIEM/SOAR Support (Includes: Splunk, ARCSight, Azure Sentinel, RSA enVision, IBM QRadar, Symantec, Sumologic, Loggly, Azure Event Hub and more)	✓	✓	✓	✓	✓	✓
<b>NETWORKING AND HIGH AVAILABILITY</b>						
VLAN and NAT Support	✓	✓	✓	✓	✓	✓
Network ACLs	✓	✓	✓	✓	✓	✓
Advanced Routing	-	-	✓	✓	✓	✓
Multi-Port Hardware	-	-	-	✓	✓	✓
Link Bonding	-	-	-	✓	✓	✓
Active-Passive High Availability	✓	✓	✓	✓	✓	✓
Active-Active High Availability	-	-	✓	✓	✓	✓
<b>ADD ON SUBSCRIPTIONS</b>						
Advanced Bot Protection	✓	✓	✓	✓	✓	✓
Active DDoS Prevention	✓	✓	✓	✓	✓	✓
Advanced Threat Protection	-	-	✓	✓	✓	✓

FEATURES	360	460	660	860	861	862
<b>MODEL COMPARISON</b>						
Throughput	25 Mbps	50 Mbps	200 Mbps	1 Gbps	1 Gbps	1 Gbps
Max. Backend Servers (Recommended)	5	10	25	150	150	150
HTTP Transactions Per Second	8000	15000	30000	90000	90000	90000
HTTP Connections Per Second	2000	3000	10000	16000	16000	16000
HTTPS Transactions Per Second	2500	4000	12000	30000	30000	30000
Concurrent Connections	90000	150000	500000	950000	950000	950000
<b>HARDWARE SPECIFICATIONS</b>						
Form Factor	1U-Mini	1U-Mini	1U	1U	1U	1U
"Dimensions (inch) WxDxH"	17.2 x 1.7 x 1.4	17.2 x 1.7 x 1.4	17.2 x 1.7 x 22.6	17.2 x 22.4 x 1.73	17.2 x 22.4 x 1.73	17.2 x 22.4 x 1.73
Weight (lb)	12	12	26	26.45	26.45	26.45
ECC Memory	-	-	-	Yes	Yes	Yes
Management Port	10 100 1000	10 100 1000	10 100 1000	10 100 1000	10 100 1000	10 100 1000
Ethernet Ports	2 x 10/100 RJ45 with bypass	-	-	-	-	-
Gigabit Ethernet Ports	-	2x 1G RJ45 with bypass	2x 1G RJ45 with bypass	8x 1G RJ45	8x 1G RJ45 with bypass	8x 1G SFP (MM)with bypass
10Gigabit Ethernet Ports	-	-	-	-	-	-
Power Supply	1	1	1	2	2	2
AC Input (Amps)	1.2	1.4	1.8	4.2	4.2	4.2
Heat Output (BTU/Hr)	490	575	740	967.78	967.78	1001.91
Operating Temperature	5°C-35°C (41°F-95°F)	5°C-35°C (41°F-95°F)	5°C-35°C (41°F-95°F)	"0 ~ 40°C ( 32 ~ 104°F )"	"0 ~ 40°C ( 32 ~ 104°F )"	"0 ~ 40°C ( 32 ~ 104°F )"
Operational Relative Humidity	8% ~ 90% (non-condensing)	8% ~ 90% (non-condensing)	8% ~ 90% (non-condensing)	"10 ~ 85% relative humidity"	"10 ~ 85% relative humidity"	"10 ~ 85% relative humidity"
Safety & EMC Certifications	Available on Request	Available on Request	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"

FEATURES	960	961	964	1060	1061	1062
Throughput	5 Gbps	5 Gbps	5 Gbps	10 Gbps	10 Gbps	10 Gbps
Max. Backend Servers (Recommended)	300	300	300	600	600	600
HTTP Transactions Per Second	180000	180000	180000	190000	190000	190000
HTTP Connections Per Second	30000	30000	30000	70000	70000	70000
HTTPS Transactions Per Second	50000	50000	50000	70000	70000	70000
Concurrent Connections	1800000	1800000	1800000	2800000	2800000	2800000
<b>HARDWARE SPECIFICATIONS</b>						
Form Factor	1U	1U	1U	2U	2U	2U
"Dimensions (inch) WxDxH"	17.2 x 22.4 x 1.73	17.2 x 22.4 x 1.73	17.2 x 22.4 x 1.73	17.4 x 3.5 x 25.5	17.4 x 3.5 x 25.5	17.4 x 3.5 x 25.5
Weight (lb)	26.45	26.45	26.45	52	52	52
ECC Memory	Yes	Yes	Yes	Yes	Yes	Yes
Management Port	10 100 1000	10 100 1000	10 100 1000	10 100 1000	10 100 1000	10 100 1000
Ethernet Ports	-	-	-	-	-	-
Gigabit Ethernet Ports	8x 1G RJ45	8x 1G RJ45 with bypass	8x 1G SFP (MM) with bypass	16x 1G RJ45	8x 1G RJ45 with bypass	8x 1G Fiber with bypass
10Gigabit Ethernet Ports	2x 10G RJ45	2x 10G RJ45 with bypass	2x 10G SFP+ (MM) with bypass	4x 10G RJ45	4x 10G RJ45 with bypass	4x 10G Fiber with bypass
Power Supply	2	2	2	2	2	2
AC Input (Amps)	4.2	4.2	4.2	5.4	5.4	5.4
Heat Output (BTU/Hr)	1003.8	1003.8	1044.38	2200	2200	2200
Operating Temperature	"0 ~ 40°C ( 32 ~ 104°F )"	"0 ~ 40°C ( 32 ~ 104°F )"	"0 ~ 40°C ( 32 ~ 104°F )"	5°C-35°C (41°F-95°F)	5°C-35°C (41°F-95°F)	5°C-35°C (41°F-95°F)
Operational Relative Humidity	"10 ~ 85% relative humidity"	"10 ~ 85% relative humidity"	"10 ~ 85% relative humidity"	8% ~ 90% (non- condensing)	8% ~ 90% (non- condensing)	8% ~ 90% (non- condensing)
Safety & EMC Certifications	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"	"EN 60950 FCC, CE"

## Support options

### Instant Replacement Service

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

### Barracuda Energize Updates

- Standard technical support
- Firmware and capability updates as required
- Automatic application definitions updates

## Management features

- Customizable role-based administration
- Vulnerability scanner integration
- Trusted host exception
- Rest API
- Custom templates
- Interactive and scheduled reports



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