

Barracuda CloudGen Firewall F-Series

The Next-Generation Firewall for the Cloud-Era



As you integrate a growing number of public-cloud platforms and environments into your network, your firewalls have to do more than just secure your perimeter. They also have to serve as the linchpin of your IT communications flow, ensuring highly reliable and cost-effective connections. Barracuda CloudGen Firewall was designed to **optimize performance, security, and availability of today's dispersed enterprise SD-WANs.**

- Security
 - Data Protection
 - Application Delivery



The Barracuda Advantage

- Simple pricing with no per-application or per-user/group licensing fees.
- Unlimited site-to-site and client-to-site VPN included
- Deploy the way you want: hardware, virtual, or cloud
- Configuration and lifecycle management via one graphical user interface without the need for a command-line interface

Product Spotlight

- Full user/group awareness
- Full application visibility and granular access control
- Advanced Threat Protection (incl. sandboxing)
- Built-in web security and IDS/IPS
- Full SD-WAN capabilities included
- Cloud-ready application-based provider selection



Full Next-Generation Security

Barracuda CloudGen Firewall is designed and built from the ground up to provide comprehensive, next-generation firewall protection. Firewalling, IPS, URL filtering, dual antivirus and application control take place directly in the data path. More resource-intensive tasks like sandboxing — required for protecting against ransomware—are seamlessly integrated in the cloud. All CloudGen Firewall platforms and models provide the same level of security, maintaining maximum security from branch offices to headquarters.



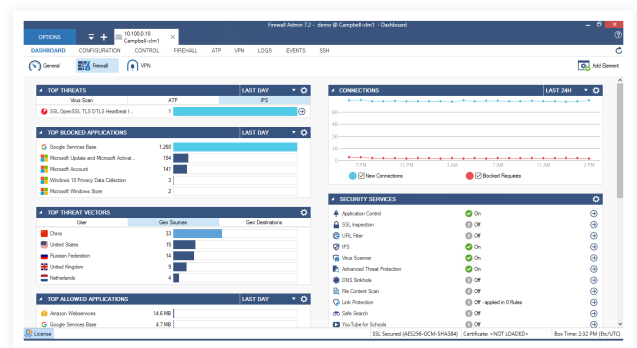
Full SD-WAN Capability

In the cloud era, you need to connect branch offices with the cloud in a direct and secure way. Backhauling traffic to the central Internet gateway using MPLS can be very cost-intensive. Barracuda CloudGen Firewalls let you replace costly MPLS connections with cost-efficient broadband connections. You can utilize up to 24 broadband connections per VPN tunnel for increased bandwidth at lower cost.



Connecting The Dots

Barracuda CloudGen Firewall combines next-generation security and SD-WAN capabilities in one product that that you can manage centrally using an intuitive, single-pane-of-glass solution. This lets you access the benefits of the cloud safely, and to optimize cloud access from anywhere in the network. Low line costs and efficient administration help to reduce operating costs significantly.



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

Barracuda CloudGen Firewalls are the perfect solution for central management, especially when it comes to distributed environments like ours. Performance problems? Not anymore!

Alexander Maute
Director IT Infrastructure
Eissmann Group Automotive

MID-RANGE MODELS	F380	F400 SUBMODELS		F600 SUBMODELS				
		STD	F20	C10	C20	F10	F20	E20
PERFORMANCE								
Firewall Throughput ¹	4.8 Gbps	5.5 Gbps	6.0 Gbps			16.3 Gbps		
VPN Throughput ²	810 Mbps	1.2 Gbps	1.2 Gbps			2.3 Gbps		
IPS Throughput ³	1.6 Gbps	2.0 Gbps	2.0 Gbps			5.0 Gbps		
NGFW Throughput ⁴	1.4 Gbps	1.2 Gbps	1.7 Gbps			4.6 Gbps		
Threat Protection Throughput ⁵	1.2 Gbps	800 Mbps	1.6 Gbps			1.9 Gbps		
Concurrent Sessions	400,000	500,000	500,000			2,100,000		
New Session/s	15,000	20,000	20,000			115,000		
HARDWARE								
Form Factor	1U rack mount	1U rack mount		1U rack mount				
Copper Ethernet NICs	8x1 GbE	8x1 GbE	8x1 GbE	12x1 GbE	12x1 GbE	8x1 GbE	8x1 GbE	8x1 GbE
Fiber NICs (SFP)	-	-	4x1 GbE	-	-	4x1 GbE	4x1 GbE	-
Fiber NICs (SFP+)	-	-	-	-	-	-	-	2x10 GbE
Power Supply	Single, internal	Single, internal	Dual Hot Swap	Single Internal	Dual Hot Swap	Single, internal	Dual Hot Swap	Dual Hot Swap
FEATURES								
Firewall incl. IPS	•	•	•	•	•	•	•	•
Application Control	•	•	•	•	•	•	•	•
Dynamic Routing	•	•	•	•	•	•	•	•
Application-based Provider Selection	•	•	•	•	•	•	•	•
Client-to-Site and Site-to-Site VPN (unlimited)	•	•	•	•	•	•	•	•
SSL Interception	•	•	•	•	•	•	•	•
SD-WAN	•	•	•	•	•	•	•	•
Web Filter	•	•	•	•	•	•	•	•
Zero-Touch Deployment	•	•	•	•	•	•	•	•
Advanced Threat and Malware Protection	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Remote Access	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Total Protect	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Total Protect PLUS	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

HIGH-END MODELS	F800 SUBMODELS			F900 SUBMODELS				F1000 SUBMODELS		
	CCC	CCF	CCE	CCC	CCE	CFE	CFEQ	CE0	CE2	CFE
PERFORMANCE										
Firewall Throughput ¹		30 Gbps		35 Gbps		45 Gbps		40 Gbps		
VPN Throughput ²		7.5 Gbps		9.3 Gbps		12 Gbps		10 Gbps		
IPS Throughput ³		8.3 Gbps		11.3 Gbps		13 Gbps		13 Gbps		
NGFW Throughput ⁴		7.0 Gbps		8.0 Gbps		12 Gbps		10.2 Gbps		
Threat Protection Throughput ⁵		7.6 Gbps		8.0 Gbps		11.5 Gbps		4.0 Gbps		
Concurrent Sessions		2,500,000		4,000,000		4,000,000		10,000,000		
New Session/s		180,000		190,000		190,000		250,000		
HARDWARE										
Form Factor	1U rack mount			1U rack mount				2U rack mount		
Copper Ethernet NICs	24x1 GbE	16x1 GbE	16x1 GbE	32x1 GbE	16x1 GbE	8x1 GbE	8x1 GbE	16x1 GbE	32x1 GbE	16x1 GbE
Fiber NICs (SFP)	-	8x1 GbE	-	-	-	8x1 GbE	8x1 GbE	-	-	16x1 GbE
Fiber NICs (SFP+)	-	-	4x10 GbE	-	8x10 GbE	8x10 GbE	4x10 GbE	4x10 GbE	8x10 GbE	8x10 GbE
Fiber NICs (QSFP+)	-	-	-	-	-	-	2x40 GbE	-	-	-
Power Supply	Dual Hot Swap			Dual Hot Swap				Dual Hot Swap		
FEATURES										
Firewall incl. IPS	•	•	•	•	•	•	•	•	•	•
Application Control	•	•	•	•	•	•	•	•	•	•
Dynamic Routing	•	•	•	•	•	•	•	•	•	•
Application-based Provider Selection	•	•	•	•	•	•	•	•	•	•
Client-to-Site and Site-to-Site VPN (unlimited)	•	•	•	•	•	•	•	•	•	•
SSL Interception	•	•	•	•	•	•	•	•	•	•
SD-WAN	•	•	•	•	•	•	•	•	•	•
Web Filter	•	•	•	•	•	•	•	•	•	•
Zero-Touch Deployment	•	•	•	•	•	•	•	•	•	•
Advanced Threat and Malware Protection	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Remote Access	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Total Protect	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Total Protect PLUS	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

All performance values are measured under optimized conditions and are to be considered as „up to“ values and may vary depending on system configuration and infrastructure:

- ¹ Firewall throughput measured with large packets (MTU1500) UDP packets, bi-directional across multiple ports, utilizing highest available port density.
- ² VPN performance is based on Barracuda TINA VPN protocol, 1415 Byte UDP packets using AES128 NOHASH, bidirectional using BreakingPoint traffic generator.
- ³ IPS throughput is measured using large packets (MTU1500) UDP traffic and across multiple ports, utilizing highest available port density.
- ⁴ NGFW throughput is measured with IPS, application control, and web filter enabled, based on BreakingPoint Realworld-IPS-Enterprise-Traffic-Mix, bidirectional across multiple ports, utilizing highest available port density.
- ⁵ Threat Protection throughput is measured with IPS, application control, web filter, and antivirus enabled, based on BreakingPoint Realworld-IPS-Enterprise-Traffic-Mix, bidirectional across multiple ports.

Specifications subject to change without notice.



Get Started in the Cloud with Barracuda's **Cloud Ready** Initiative

Become **Cloud Ready** and accelerate your journey to the cloud with our **complimentary 90-day** cloud security licenses.

barracuda.com/cloudready

