Barracuda CloudGen Firewall™

Certifications:

Hypervisors Supported: vmware, Microsoft Hyper-V, Citrix XenServer, KVM

Public Cloud Offerings Supported: aws, Azure, Google Cloud

Wi-Fi Controllers Supported: Extreme networks, aruba a Hewlett Packard Enterprise company, COMMSCOPE now meets next

Protect cloud-connected users, network workloads, and devices wherever they reside.

	ENTRY AND BRANCH OFFICE MODELS							MID-RANGE MODELS									HIGH-LEVEL MODELS											RUGGED MODELS		
	F12A	F18B	F80B	F82A SUBMODELS		F180B	F280C	F380B	F400C SUBMODELS		F600D SUBMODELS					F800C SUBMODELS			F900B SUBMODELS				F1000B SUBMODELS				F93A.R	F183RA	F193A.R
				DSLA	DSLB				STD	F20	C10	C20	F10	F20	E20	CCC	CCF	CCE	CCC	CCE	CFE	CFEQ	CE0	CE2	CFE	CFEQ			
PERFORMANCE																														
Firewall throughput [1]	1.2 Gbps	2.0 Gbps	2.0 Gbps	1.5 Gbps		3.2 Gbps	6.0 Gbps	8.5 Gbps	13 Gbps	13 Gbps	15 Gbps		15 Gbps		20 Gbps	30 Gbps			35 Gbps			45 Gbps	52 Gbps				1.5 Gbps	2.1 Gbps	2.1 Gbps
VPN throughput [2]	220 Mbps	720 Mbps	720 Mbps	240 Mbps		800 Mbps	1.8 Gbps	2.1 Gbps	3.6 Gbps	3.6 Gbps	3.8 Gbps		3.8 Gbps		6.8 Gbps	7.5 Gbps			9.3 Gbps			13.5 Gbps	15.8 Gbps				240 Mbps	320 Mbps	320 Mbps
IPS throughput [3]	400 Mbps	600 Mbps	600 Mbps	400 Mbps		1.0 Gbps	2.0 Gbps	2.5 Gbps	4.2 Gbps	4.2 Gbps	4.8 Gbps		4.8 Gbps		8.0 Gbps	8.3 Gbps			11.3 Gbps			13 Gbps	16 Gbps				400 Mbps	790 Mbps	790 Mbps
NGFW throughput [4]	250 Mbps	400 Mbps	400 Mbps	400 Mbps		1.2 Gbps	1.6 Gbps	2.0 Gbps	3.7 Gbps	3.7 Gbps	4.2 Gbps		4.2 Gbps		6.4 Gbps	7.7 Gbps			8.0 Gbps			12 Gbps	14.8 Gbps				400 Mbps	800 Mbps	800 Mbps
Threat protection throughput [5]	230 Mbps	380 Mbps	380 Mbps	380 Mbps		1.0 Gbps	1.5 Gbps	1.7 Gpbs	3.1 Gbps	3.1 Gbps	4.0 Gbps		4.0 Gbps		5.8 Gbps	7.6 Gbps			8.0 Gbps			11.5 Gbps	13.5 Gbps				380 Mpbs	700 Mpbs	700 Mbps
Concurrent sessions	80,000	80,000	80,000	80,000		150,000	300,000	400,000	400,000		2,100,000					2,500,000			4,000,000				10,000,000				80,000	100,000	100,000
New sessions per second	8,000	12,000	12,000	8,000		10,000	12,000	15,000	20,000		115,000					180,000			190,000				250,000				8,000	9,000	9,000
Max no. of concurrent users [6]	5-75	50-100	50-100	50-100		75-150	150-300	200-500	300-1,000		1,000-4,000					4,000-6,000			6,000-9,000				7,000-15,000				50-100	75-150	75-150
Recommended no. of VPN clients	n/a	25	25	25		50	75	100	250		500					1,000			2,000				3,000				50	75	75
HARDWARE																														
Form factor	Compact	Desktop	Desktop	Desktop		Desktop	Desktop	1U rack mount	1U rack mount		1U rack mount					1U rack mount			1U rack mount				2U rack mount				Compact	Compact	Compact
Dimensions [W x D x H; mm]	232 x 153 x 44	232 x 153 x 44	232 x 153 x 44	378 x 160 x 44		300 x 219 x 44	300 x 219 x 44	440 x 440 x 44	440 x 440 x 44		440 x 500 x 44					440 x 570 x 44			440 x 570 x 44				440 x 710 x 88				52 x 150 x 130	78 x 127 x 146	68 x 150 x 130
Weight [kg]	2.0	2.0	2.0	2.2		2.3	2.3	8.4	8.4		10.0					12.0			12.0				25.0				1.2	1.0	1.4
1 GbE copper NIC	5x	5x	5x	4x		12x	12x	8x	8x	8x	18x		10x		10x	24x	16x	16x	32x	16x	8x	8x	16x	32x	16x	16x	2x	5x	5x
1 GbE fibre SFP NIC	-	-	-	1x		4x	4x	-	-	4x	-		8x		8x	-	8x	-	-	-	8x	8x	-	-	16x	16x	1x	2x	2x
10 GbE fibre SFP+ NIC	-	-	-	-		-	-	2x	2x	2x	-		-		2x	-	-	4x	-	8x	8x	4x	4x	8x	8x	6x	-	-	-
40 GbE fibre QSFP+ NIC	-	-	-	-		-	-	-	-	-	-		-		-	-	-	-	-	-	-	2x	-	-	-	2x	-	-	-
Max storage (SSD) ([GB] or better)	80	80	80	50		100	100	120	120		240				240	430			430			430	550				100	100	100
Power supply [7]	S (e.)	S (e.)	S (e.)	S (e.)	S (e.)	S (e.)	S (e.)	S (i.)	S (i.)	D (hs)	S (i.)	D (hs)	S (i.)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	D (hs)	S (e.) / D (e.) [8]	S (e.) / D (e.) [8]	S (e.) / D (e.) [8]
Integrated modem (DSL)	-	-	-	A, RJ11	B, RJ45	-	-	-	-		-					-			-				-				-	-	-
Wi-Fi access point	-	-	✓	✓		✓	✓	-	-		-					-			-				-				-	-	-
FEATURES																														
Firewall incl. IPS	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
Application control	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
App-based provider selection	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
Client-to-site and site-to-site VPN	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
SSL interception	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
SD-WA	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
Web filter	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
Zero-touch deployment	✓	✓	✓	✓		✓	✓	✓	✓		✓					✓			✓				✓				✓	✓	✓
Management via web interface	-	Optional	Optional	-		Optional	Optional	Optional	Optional		-					-			-				-				-	-	-
Barracuda Firewall Insights	Optional	Optional	Optional	Optional		Optional	Optional	Optional	Optional		Optional					Optional			Optional				Optional				Optional	Optional	Optional
Advanced Threat Protection	Optional	Optional	Optional	Optional		Optional	Optional	Optional	Optional		Optional					Optional			Optional				Optional				Optional	Optional	Optional
Malware Protection	Optional [9]	Optional	Optional	Optional		Optional	Optional	Optional	Optional		Optional					Optional			Optional				Optional				Optional	Optional	Optional
Advanced Remote Access	-	Optional	Optional	Optional		Optional	Optional	Optional	Optional		Optional					Optional			Optional				Optional				Optional	Optional	Optional

F12A

F18B

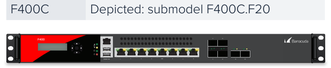
F80B — Wi-Fi access point on-board

F180B — Wi-Fi access point on-board

F280C — Wi-Fi access point on-board

F380B

F400C — Depicted: submodel F400C.F20



F600D — Depicted: submodel F600D.E20

F800C — Depicted: submodel F800C.CCE

F900B — Depicted: submodel F900B.CFEQ

F1000B — Depicted: submodel F1000B.CFEQ

F93A.R

F183RA

F193A.R

BARRACUDA CLOUDGEN FIREWALL VIRTUAL DEPLOYMENTS	VX EDITIONS										AWS / AZURE / GCP LEVELS			
	VF10	VF25	VF50	VF100	VF250	VF500	VF1000	VF2000	VF4000	VF8000	2	4	6	8
Number of protected IPs	10	25	50	100	250	500	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited		Unlimited	
Allowed Cores	1	2	2	2	2	2	2	4	8	15	1	2	4	8-32
Firewall incl. IPS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Application control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic routing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Client-to-site and site-to-site VPN [12]	10	25	50	100	250	500	Unlimited	Unlimited	Unlimited	Unlimited	Unimited	Unimited	Unimited	Unimited
SSL interception	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SD-WAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Web filter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Barracuda Firewall Insights	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional [13]	Optional [13]	Optional [13]	Optional [13]
Advanced Threat Protection	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional [14]	Optional [14]	Optional [14]	Optional [14]
Malware Protection	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional [14]	Optional [14]	Optional [14]	Optional [14]
Advanced Remote Access	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional [13]	Optional [13]	Optional [13]	Optional [13]

BARRACUDA FIREWALL CONTROL CENTER	STANDARD EDITION		ENTERPRISE EDITION		GLOBAL EDITION
	VC400	VCC400	VC610	VCC610	VC820
Way of deployment	Virtual	Azure / AWS / GCP	Virtual	Azure / AWS / GCP	Virtual
Max. managed gateways (recommended)	Unlimited (20)		Unlimited (hardware depending)		
Manageable configuration groupings	1	1	Unimited	Unimited	Unimited
Multi-administrator support	✓	✓	✓	✓	✓
Role-based administration	✓	✓	✓	✓	✓
Revision control system	✓	✓	✓	✓	✓
Central statistics / syslog host/relay	✓	✓	✓	✓	✓
FW audit information collector/viewer	✓	✓	✓	✓	✓
High availability	Optional	Optional	Optional	Optional	HA license included
Multi tenancy	-	-	✓ [10]	✓ [10]	✓ [11]

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 1415 Byte UDP packets, 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, antivirus, and SSL inspection enabled, based on BreakingPoint Realworld-IPS-Enterprise-Traffic-Mix, bidirectional across multiple ports.*
[6] *Depending on feature set; for more detailed information on sizing, please refer to the "CloudGen Firewall Sizing" tool on Barracuda Campus.*
[7] *Used abbreviations: S (e.) - single external power supply; S (i.) - single internal power supply; D (hs) - dual internal hot swap power supply*
[8] *Dual power supply requires two external power bricks (available as optional accessories).*
[9] *Malware Protection is covered by cloud-based malware protection as part of an active Advanced Threat protection subscription.*
[10] *By way of configuration groupings.*
[11] *Includes support for 5 tenants; additional tenants are optionally available.*
[12] *Barracuda CloudGen Firewall Vx editions include as many VPN licenses as the number of protected IPs. VPN clients with an active connection to the Barracuda CloudGen Firewall Vx are counted towards the protected IP limits.*
[13] *Included with PAYG licensing.*
[14] *Not available with PAYG licensing.*

Barracuda. Your journey, secured.

PRODUCT POSTER • EMEA 4.3 • Copyright 2021 Barracuda Networks, Inc. • barracuda.com • Barracuda Networks and the Barracuda Networks logo are registered trademarks of Barracuda Networks, Inc. in the United States. All other names are the property of their respective owners.