

## ALINCO IT CloudGen Firewall from Barracuda: Advanced Network Security Made Simple



### Overview

This powerful turnkey solution provides robust protection to secure multiple networks from advanced threats — all from one centralized management console.

### Key Solution Advantages

Optimize the security, performance, and availability of your networks

- **Centralized control** makes it easy to deploy across multiple locations
- **Intelligent traffic regulation** prioritizes critical system performance
- **Powerful Advanced Threat Protection** and dual antivirus engines, combined with IDS/IPS, protect against malware, ransomware, and zero-day exploits



### Integrated Next-Generation Security

The ALINCO IT CloudGen Firewall from Barracuda is designed and built from the ground up to provide comprehensive, cloud-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, this firewall is the ideal solution for today's connected businesses.

### Regaining Control of User Activity

The ALINCO IT CloudGen Firewall from Barracuda extends security coverage beyond network boundaries and makes it easy to monitor and regulate your network and everything users are doing.

## Key Features

### Advanced Security

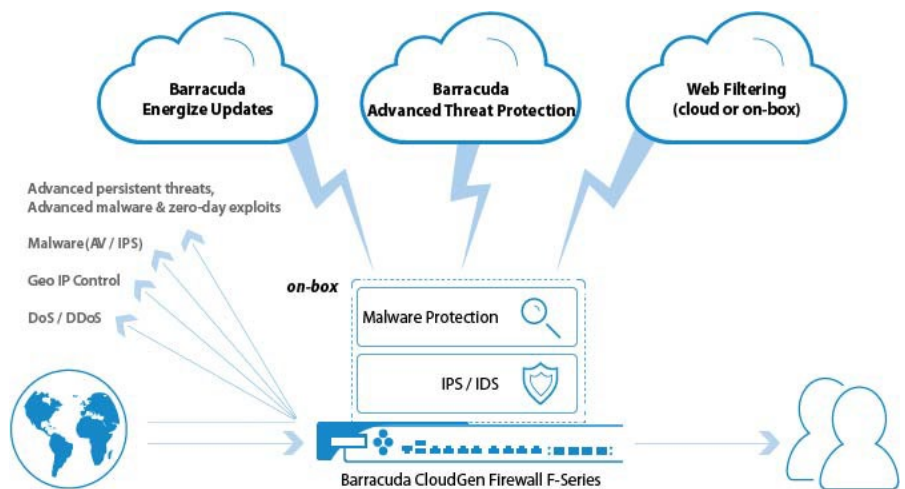
**Firewall** – Application control and granular application enforcement; interception of SSL/TLS encrypted applications

**User Identity Awareness** – Supports authentication of users and enforcement of user-aware firewall rules; works with a variety of authentication methods including Wi-Fi access point vendors like Aerohive, Aruba, and Ruckus

**Intrusion Detection and Prevention** – Comprehensive real-time protection against exploits, threats, and vulnerabilities

**Advanced Threat Protection** – Dynamic analysis of malware programs and documents with embedded exploits

**Malware Protection** – Shields the internal network by scanning web content, emails, and file transfers



### Simplified Operations

**Fast and Easy Troubleshooting** – Real-time information and comprehensive logging capabilities

**Easy-to-read Reporting** – Enables us to automatically create reports for you on all deployments or select deployments

**Comprehensive Traffic Optimization** – Intelligent traffic regulation and tightly integrated Quality of Service (QoS) and link balancing capabilities

**Remote Access** – Browser-based SSL VPN, dedicated VPN clients, and Network Access clients; remote access app, featuring Barracuda's Zero-Touch Deployment

Model	F18	F80	F180	F280	F380	F400		F600			F800			F900			F1000		
						STD	F20	C10 C20	F10 F20	E20	CCC	CCF	CCE	CCC	CCE	CFE	CE0	CE2	CFE
<b>Capacity</b>																			
Firewall Throughput <sup>1</sup>	1.0 Gbps	1.35 Gbps	1.65 Gbps	3.0 Gbps	3.8 Gbps	5.5 Gbps		16.3 Gbps <sup>4</sup>			19.6 Gbps <sup>4</sup>			22.2 Gbps <sup>4</sup>			40 Gbps <sup>4</sup>		
VPN Throughput <sup>2</sup>	190 Mbps	240 Mbps	300 Mbps	1.0 Gbps	1.2 Gbps	1.2 Gbps		2.3 Gbps <sup>4</sup>			7.3 Gbps <sup>4</sup>			7.8 Gbps <sup>4</sup>			10 Gbps <sup>4</sup>		
IPS Throughput <sup>1</sup>	400 Mbps	500 Mbps	600 Mbps	1.0 Gbps	1.4 Gbps	2.0 Gbps		5.0 Gbps <sup>4</sup>			6.5 Gbps <sup>4</sup>			7.1 Gbps <sup>4</sup>			13 Gbps <sup>4</sup>		
Concurrent Sessions	80,000	80,000	100,000	250,000	400,000	500,000		2,100,000 <sup>4</sup>			2,500,000 <sup>4</sup>			4,000,000 <sup>4</sup>			10,000,000 <sup>4</sup>		
New Session/s	8,000	8,000	9,000	10,000	15,000	20,000		115,000 <sup>4</sup>			150,000 <sup>4</sup>			160,000 <sup>4</sup>			250,000 <sup>4</sup>		
<b>Hardware</b>																			
Form Factor	Desktop				1U rack mount								2U rack mount						
1 GbE Copper Ethernet NICs	4x	4x	6x	6x	8x	8x	8x	12x	8x	8x	20x	12x	12x	24x	16x	8x	16x	32x	16x
1 GbE Fiber NICs (SFP)						4x		4x			4x					8x			16x
10 GbE Fiber NICs (SFP+)									2x			4x		4x	4x	4x	4x	8x	8x
Integrated Switch			8-port	8-port															
Wi-Fi Access Point		•	•	•															
Power Supply					Single		Dual <sup>5</sup>	Single <sup>6</sup>		Dual <sup>5</sup>									
<b>Features</b>																			
Firewall	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Application Control	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IPS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Dynamic Routing	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
App-based Provider Selection	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SSL Interception	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WAN Optimization	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Web Filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mail Gateway & Spam Filter			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CloudGen Web Filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malware Protection <sup>3</sup>	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Advanced Threat Protection <sup>3</sup>	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Premium Remote Access		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

<sup>1</sup>Measured with large packets (MTU1500)    <sup>2</sup>VPN throughput using AES128 NOHASH    <sup>3</sup>Including FTP, mail, and Web protocols    <sup>4</sup>Measured with 10GbE fiber port  
<sup>5</sup>Internal dual hot swap power supply    <sup>6</sup>Internal dual hot swap power supply optional    **Note:** Specifications subject to change without notice.

## **ALINCO Additional Backup Benefits**

- Alinco reviews the files and directories. Once complete, we will send to client to sign off confirming the finalized list of backups to be completed. Meetings are available to clients if more detail is needed.
- Alongside client, Alinco will assist in monitoring the backups. If we notice an error on the same file or directory three times in a row, Alinco will reach out to client on how to amend.
- An annual disaster recovery test will also be provided to clients. The report will inform them of how long the backup took, amount of data recovered, and if any errors occurred. Client will need to sign off on report.
- If errors occurred, Alinco would converse with client on a remedy plan.