



LACyber
DATA PROTECTION SERVICES

Readiness. Defense. Response.

NextGen 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 Detection** and dual antivirus engines, combined with IDS/IPS, protect against malware, ransomware, and zero-day exploits



Integrated Next-Generation Security

LACyber's NextGen Firewall from Barracuda is designed and built from the ground up to provide comprehensive, next-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

LACyber's NextGen 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 Detection – Dynamic analysis of malware programs and documents with embedded exploits

Malware Protection – Shields network by scanning web emails, and file transfers

Simplified Operations

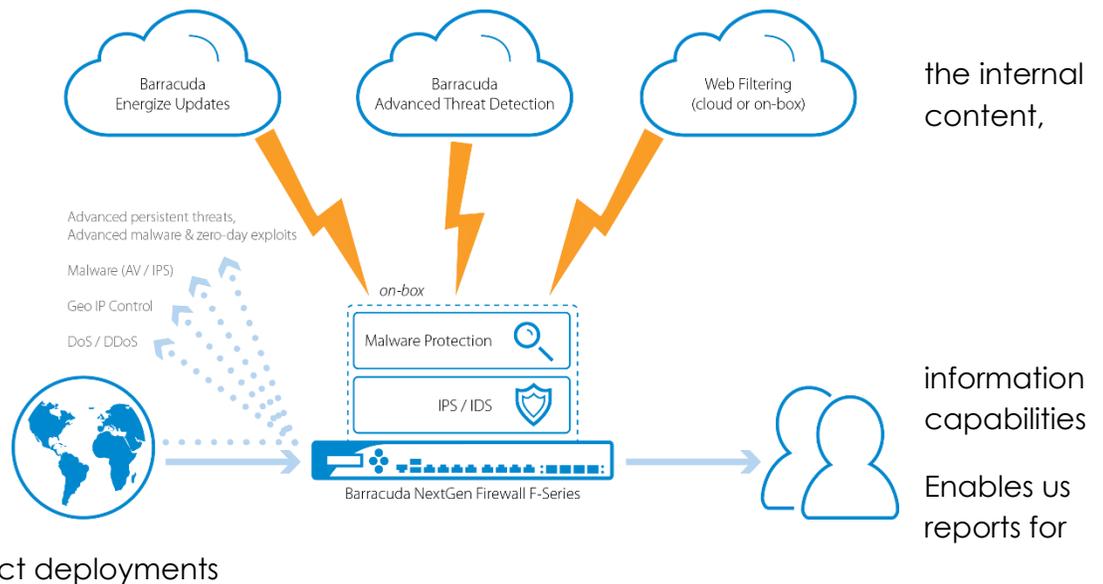
Fast and Easy

Troubleshooting – Real-time and comprehensive logging

Easy-to-read Reporting – to automatically create 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
Capacity																			
Firewall Throughput ¹	1.0 Gbps	1.35 Gbps	1.65 Gbps	3.0 Gbps	3.8 Gbps	5.5 Gbps		16.3 Gbps ⁴			19.6 Gbps ⁴			22.2 Gbps ⁴			40 Gbps ⁴		
VPN Throughput ²	190 Mbps	240 Mbps	300 Mbps	1.0 Gbps	1.2 Gbps	1.2 Gbps		2.3 Gbps ⁴			7.3 Gbps ⁴			7.8 Gbps ⁴			10 Gbps ⁴		
IPS Throughput ¹	400 Mbps	500 Mbps	600 Mbps	1.0 Gbps	1.4 Gbps	2.0 Gbps		5.0 Gbps ⁴			6.5 Gbps ⁴			7.1 Gbps ⁴			13 Gbps ⁴		
Concurrent Sessions	80,000	80,000	100,000	250,000	400,000	500,000		2,100,000 ⁴			2,500,000 ⁴			4,000,000 ⁴			10,000,000 ⁴		
New Session/s	8,000	8,000	9,000	10,000	15,000	20,000		115,000 ⁴			150,000 ⁴			160,000 ⁴			250,000 ⁴		
Hardware																			
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	8x	8x	
Integrated Switch			8-port	8-port															
Wi-Fi Access Point		•	•	•															
Power Supply					Single		Dual ⁵	Single ⁶	Dual ⁵										
Features																			
Firewall	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Application Control	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IPS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Dynamic Routing	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
App-based Provider Selection	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SSL Interception	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WAN Optimization	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Web Filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mail Gateway & Spam Filter			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NextGen Web Filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malware Protection ³	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Advanced Threat Detection ³	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Premium Remote Access		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

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