

# Barracuda CloudGen Firewall F-Series Vx

Scalable security for the enterprise

Enterprise networks grow larger and more complex every day - and more critical to key business operations. Barracuda CloudGen Firewall F-Series Vx is an essential tool to optimize the performance, security, and availability of today's dispersed enterprise WANs.



## Integrated next-generation security

Barracuda CloudGen Firewall F-Series Vx is designed and built from the ground up to provide comprehensive, next-generation firewall capabilities. Based on application visibility, user-identity awareness, intrusion prevention, and centralized management, the CloudGen Firewall F-Series Vx is the ideal solution for today's dynamic enterprises as it is fully compatible with VMware, XenServer, KVM, and Hyper-V virtualization.

## Regaining control of user activity

Barracuda CloudGen Firewall F-Series Vx restores control to networks made opaque and unmanageable by mobile devices at work, Web 2.0 applications, increasing dispersion, and the growing integration and dependence on cloud-based resources. It extends security coverage beyond network boundaries, and makes it easy to monitor and regulate everything the network and its users are doing.

## True enterprise readiness

Barracuda CloudGen Firewall F-Series Vx meets the enterprise requirements for massive scalability and efficient management across dispersed networks. Integrated WAN optimization and centralized management enable organizations to increase system availability while keeping administrative time and operation costs low.

## Technical specs

### Firewall

- Stateful packet inspection and forwarding
- Full user-identity awareness
- IDS/IPS
- Application control and granular enforcement
- Interception and decryption of SSL/TLS encrypted apps
- Antivirus and web filtering in single pass mode
- Email security
- SafeSearch enforcement
- Google Accounts Enforcement
- Denial of Service protection (DoS/DDoS)
- Spoofing and flooding protection
- ARP spoofing and trashing protection
- DNS reputation filtering
- NAT (SNAT, DNAT), PAT
- Dynamic rules / timer triggers
- Single object-oriented rule set for routing, bridging, and routed bridging
- Virtual rule test environment

### Hypervisor support

- VMware
- Hyper-V
- KVM
- XenServer

### Protocol support

- IPv4, IPv6
- BGP/OSPF/RIP
- VoIP (H.323, SIP, SCCP [skinny])
- RPC protocols (ONC-RPC, DCE-RPC)
- 802.1q VLAN

### High availability

- Active-passive
- Transparent failover without session loss
- Encrypted HA communication

### Intrusion detection and prevention

- Protection against exploits, threats and vulnerabilities
- Packet anomaly and fragmentation protection
- Advanced anti-evasion and obfuscation techniques
- Automatic signature updates

### Advanced Threat Protection

- Dynamic, on-demand analysis of malware programs (sandboxing)
- Dynamic analysis of documents with embedded exploits (PDF, Office, etc.)
- Detailed forensic analysis
- Botnet and spyware protection
- TypoSquatting and link protection for email

### Central management options via Barracuda Firewall Control Center

- Administration for unlimited firewalls
- Support for multi-tenancy
- Multi-administrator support & RCS
- Zero-touch deployment
- Enterprise/MSP licensing
- Template & repository-based management
- REST API

### Infrastructure services

- DHCP server, relay
- SIP and HTTP proxies
- SNMP and IPFIX support
- JSON lifecycle automation API
- Auto VPN via API and script control
- Authoritative DNS server
- DNS server
- DNS Cache
- Built-in support for Azure Virtual WAN

### Traffic intelligence & SD-WAN

- Optimized direct internet uplink selection
- VPN-based SD-WAN
- Simultaneous use of multiple uplinks (transports) per VPN tunnel
- FIPS 140-2 certified cryptography
- On-demand direct VPN tunnel creation between remote spoke locations based on application type
- Dynamic bandwidth detection
- Performance-based transport selection
- Application-aware traffic routing
- Adaptive session balancing across multiple uplinks
- Traffic Replication (forward error correction)
- Application-based provider selection
- Application-aware traffic routing (VPN)
- Traffic shaping and QoS
- Built-in data deduplication

### VPN

- Drag & drop VPN tunnel configuration
- Network access control
- iOS and Android mobile device VPN support
- Two-factor authentication via timebased one-time passwords (TOTP), Radius, or RSA MFA (requires an active Advanced Remote Access subscription) for VPN and NAC clients
- Multi-factor authentication for SSL VPN and CudaLaunch

## Support options

### Barracuda Energize Updates

- Standard technical support
- Firmware updates
- IPS signature updates
- Application control definition updates
- Web filter updates

## Available subscriptions

### Barracuda Firewall Insights

Consolidates security, application flow, and connectivity information from hundreds or even thousands of firewalls on the extended wide area network – regardless of whether they are hardware, virtual, or cross-cloudbased deployments.

### Malware Protection

Provides gateway-based protection against malware, viruses, spyware, and other unwanted programs inside SMTP/S, HTTP/S, and FTP/S traffic.

### Advanced Threat Protection

Prevents from network breaches, identifies zero-day malware exploits, targeted attacks, advanced persistent threats and other advanced malware.

### Advanced Remote Access

Provides a customizable and easy-to-use portal-based SSL VPN as well as sophisticated Network Access Control (NAC) functionality and CudaLaunch support.

	VF10	VF25	VF50	VF100	VF250	VF500	VF1000	VF2000	VF4000	VF8000
Number of protected IPs	10	25	50	100	250	500	Unlimited	Unlimited	Unlimited	Unlimited
Allowed cores	1	2	2	2	2	2	2	4	8	16
<b>FEATURES</b>										
Standard feature set includes	Firewall incl. IPS <sup>1</sup> , application control, dynamic routing, app-based provider selection, SSL interception, SD-WAN, web filter									
Client-to-site and site-to-site VPN <sup>2</sup>	10	25	50	100	250	500	Unlimited	Unlimited	Unlimited	Unlimited
Barracuda Firewall Insights	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Malware Protection <sup>3</sup>	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Threat Protection <sup>3</sup>	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Remote Access	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional



<sup>1</sup> Requires a valid Energize Updates subscription

<sup>2</sup> Barracuda CloudGen Firewall F-Series Vx editions include as many VPN licenses as the number of protected IPs. VPN clients with an active connection to Barracuda CloudGen Firewall F-Series Vx are counted towards the protected IP limits.

<sup>3</sup> Including FTP, mail and web protocols