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NGF
Barracuda
NextGen Firewall F

Barracuda **NextGen Firewall F**
The Next Generation Firewall for the Cloud Era
Product Overview

Content

Barracuda Networks provides cloud-connected security and storage solutions that simplify IT. These powerful, easy-to-use, and affordable solutions are trusted by more than 150,000 organizations worldwide. Barracuda's expansive product portfolio delivers protection against threats targeting email, web, and network intrusions, as well as products that improve application delivery, network access, message archiving, backup, and data protection, on-premises or in the cloud.

Barracuda's high-value, subscription-based IT solutions provide end-to-end network and data security that helps customers address security threats, improve network performance, and protect and store their data.

Barracuda's international headquarters are in the heart of northern California's Silicon Valley.

The Next Generation Firewall for the Cloud Era

The Barracuda NextGen Firewall F-Series is a family of hardware, virtual, and cloud-based appliances designed to protect a company's dispersed network infrastructure. The F-Series' cloud-ready firewalls improve site-to-site connectivity and enable uninterrupted access to applications hosted in the cloud all while simplifying the administration of network operations for enterprises and managed services providers.

The Barracuda NextGen Firewall F-Series achieves this by tightly integrating a comprehensive set of next-generation firewall technologies, including Layer 7 application profiling, intrusion prevention, web filtering, malware and advanced threat detection, spam protection and network access control. Yet on top of these cutting-edge next-generation firewall capabilities, the F-Series' highly resilient VPN technology combined with intelligent traffic management and WAN Optimization capabilities allow customers to save line costs and increase overall network availability. Scalable centralized management of all aspects of the solution reduces administrative overhead and ensures policy compliance for local and remote locations.

Benefits at a glance

1 **Consolidated Security without Compromise**: All F-Series Firewalls provide comprehensive next-generation firewalling including Application Control and User Awareness, full Mail & Web Security Gateway functionality, Malware Protection, Botnet and Spyware detection, Sandboxing (Advanced Threat Detection), URL Filter, and file type policy enforcement. All this combined with unbeatable Network Security and packed into a single, powerful appliance. The tight integration of web security and network security features enables advanced functionalities, such as prioritizing certain application traffic based on user/group info and time information, and allowing certain applications to go out via predefined uplinks only.

2 **Cloud Enablement**: The ongoing shift of IT workloads to cloud services in order to increase flexibility and reduce costs requires a reliable, cost-effective extension of the company WAN to the cloud. This applies to headquarters as well as direct Internet breakouts at every branch location. Barracuda NextGen Firewall F-Series models come fully featured for all common cloud IaaS providers, as virtual appliances, and in a variety of hardware appliances for even small offices. Hybrid WAN and cloud-only networks can thereby also benefit from the F-Series.

3 **Increase WAN Reliability & Performance**: Significantly increase uplink and WAN network reliability and performance by using and aggregating up to 24 active, load-sharing connections of any type (broadband, 4G, MPLS between locations). WAN optimization functionality including data deduplication and caching, traffic compression and application acceleration increase available bandwidth far beyond the sum of all available physical uplinks combined.

Dynamic, on-the-fly adjustments of QoS and application usage policies depending on path availability make sure there will always be enough bandwidth for business-critical applications.

4 **Unified Remote Access**: Access to applications - regardless if hosted in the cloud or on premises - is commonly expected not only from within the company network but from any remote location or mobile device.

Barracuda NextGen Firewalls include zero-touch deployment, unified remote-access clients for macOS, Windows, iOS, and Android to make sure employees enjoy fast and reliable access to corporate applications from inside the network – and anywhere else, too.

5 **Once Only Central Management**: The entire Barracuda NextGen Firewall F-Series infrastructure, regardless if only a few devices or a couple thousand distributed across thousands of locations and multiple deployment types, can be deployed, managed and monitored from a single pane of glass through the Barracuda NextGen Control Center. Managing several hundreds of firewalls requires the same effort as managing one firewall.

6 **Unparalleled Cost Savings**: Barracuda NextGen Firewalls consolidate security, SD-WAN, link balancing, and WAN Optimization disciplines into a single appliance that provides significant cost savings due to the reduction or elimination of expensive leased lines and consolidation of security devices. Even for small rollouts of only a few devices, customers achieve a return of investment after just a few months, while thousands of dollars can be saved over the course of the next few years.

Next Generation Firewall Functionality: Application and User Identity Awareness

Full Application Awareness

Mobile devices, online applications, social networks, and streaming media have caused an enormous increase in non-business network data traffic, pushing bandwidth capacities to their limits and causing degradation in performance of business-critical applications.

Application Control built into every Barracuda NextGen Firewall allows admins to accurately identify and control thousands of protocols and applications (like software updates, BitTorrent, Skype, instant messaging etc.) crossing the network and not visible with regular port-based firewalls. The Barracuda NextGen Firewall F-Series gives administrators granular control over applications. They can define rules for forwarding application traffic using the most suitable uplink based on type of application, user, content, time of day, and even geographical location. Unsanctioned applications can be reliably blocked or bandwidth throttled to an acceptable level.

Deep Application Context

Deep application context analysis enables deeper inspection of the application data stream by continually evaluating the actual intentions of applications and the respective users. For example, if a user attempts to use an application like "hidemyass" to bypass traditional web filtering, Barracuda NextGen Firewalls cannot only block the application itself, but also report the website the user originally attempted to connect to.

For more details, please click here...

Custom Application Definitions

On top of thousands of applications that are delivered out of the box and constantly updated, Barracuda NextGen Firewalls provide an easy way to create user-defined application definitions. For example, admins can allow just a very limited set of Facebook apps while blocking all others, or assign more bandwidth to homegrown or legacy business systems.

For more details, please click here...

Application-Based Routing

A unique combination of next-generation security and adaptive WAN routing technology allows the Barracuda NextGen Firewall F-Series to dynamically assign available bandwidth, uplink, and routing information based not only on protocol, user, location, and content, but also on applications, application categories, and even web content categories. This keeps expensive, highly available lines free for business- and mission-critical applications, while significantly reducing response times and freeing up additional bandwidth.

For more details, please click here...
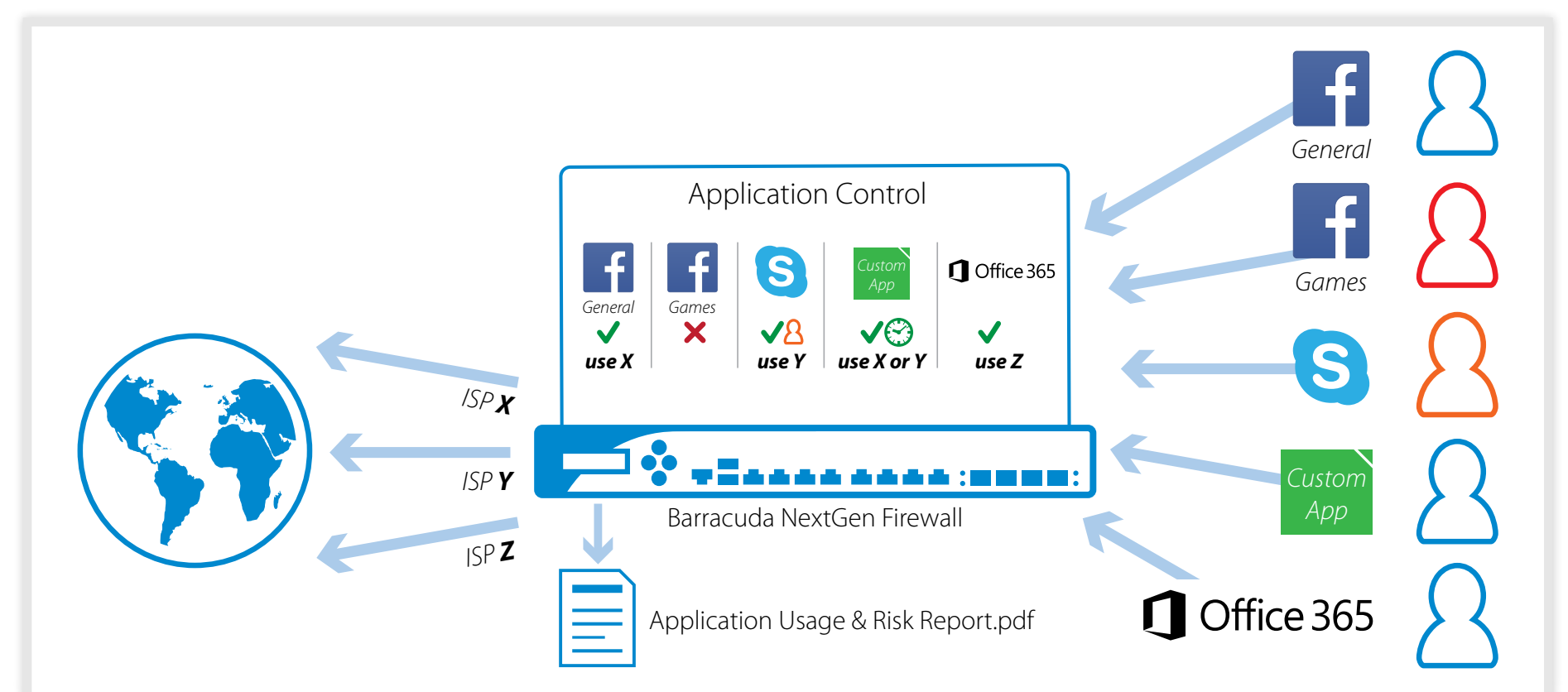
Real-Time Application Reporting and Manipulation

For on-the-fly reporting and drill-down capabilities, Barracuda NextGen Firewalls come with real-time and historical application visibility that show live and recent application traffic on the corporate network that can be interactively filtered and drilled down. This helps admins to decide which application connections should be given bandwidth prioritization and who is currently violating acceptable use policies.
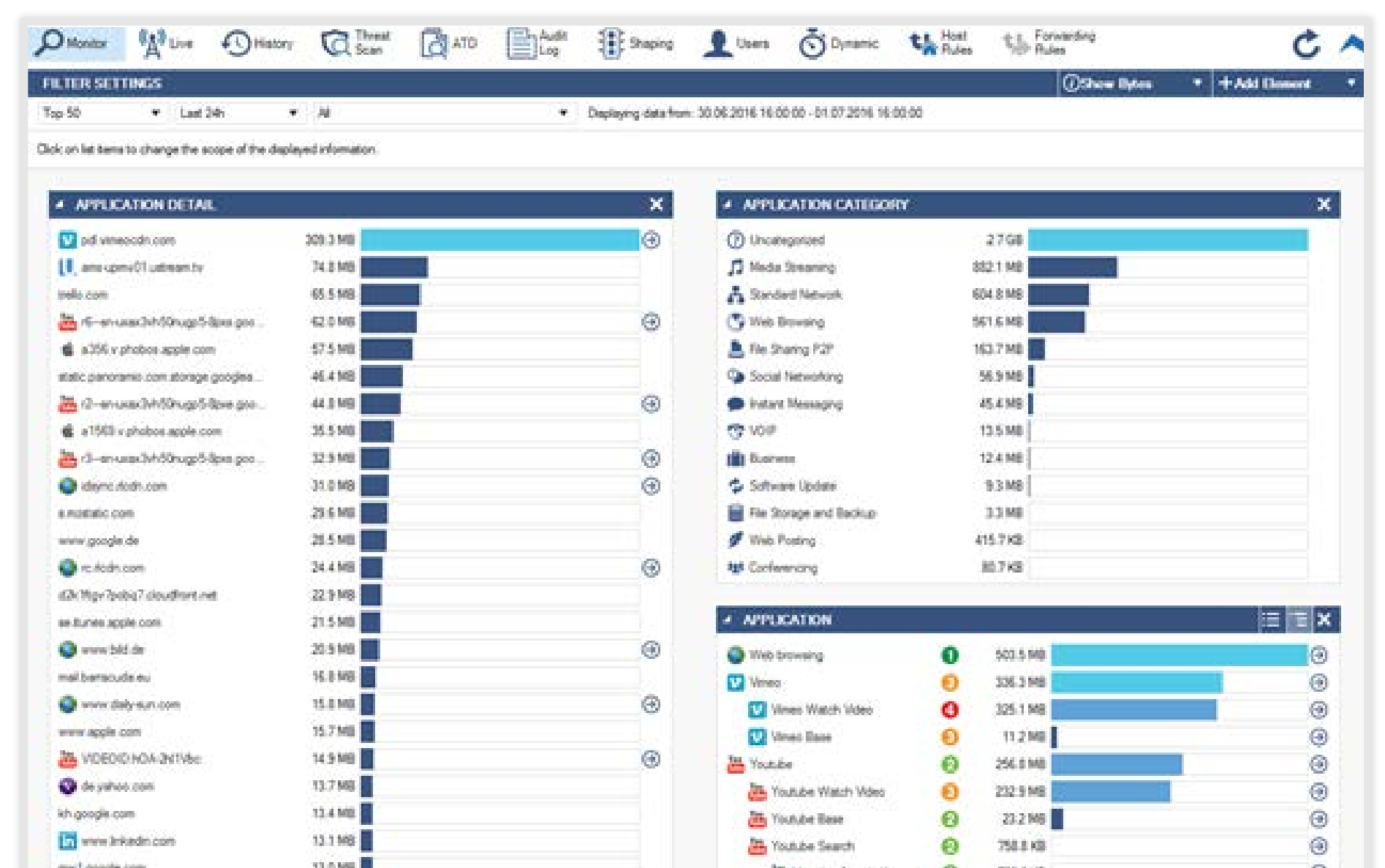
Application Risk and Usage Report

The Application Usage and Risk Report is one of many predefined reports in the free Barracuda Report Creator tool that provides automated reports and risk analysis based on the network traffic traversing the network. It gives an overview of how effective the currently deployed policies are in detecting and enforcing corporate application usage policies and even provides recommendations of what actions should be taken to improve these policies.

Barracuda NextGen Firewalls can easily be deployed risk free into existing networks to collect data required for generating such reports by using either a Layer 2 network bridge or SPAN Port / Port Mirroring deployment. No matter what method is used, collecting the traffic has no impact on the firewall performance at all.

Creating reports can be started manually (on-demand) or scheduled (including automated email distribution). And - of course - reports are fully customizable to comply with possible branding requirements.

Full User Identity Awareness

Barracuda NextGen Firewalls combine application control with seamless support for all commonly used authentication schemes such as Active Directory, RADIUS, and LDAP/S. That means reporting can be done based on user and group membership (instead of source IP addresses), and firewall and application policy rules can easily be created for individual users and groups

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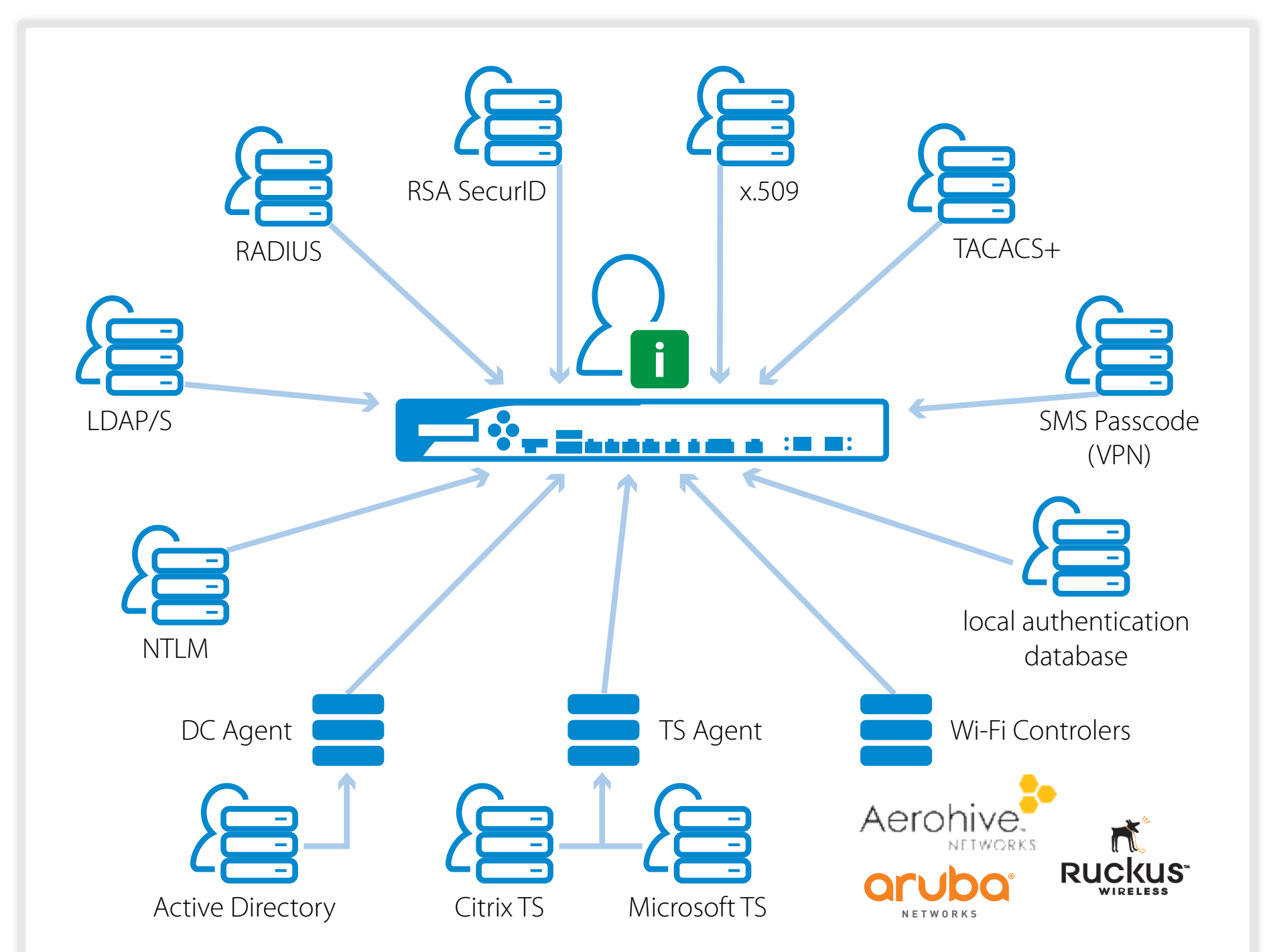
Web Security Gateway

Advanced Threat Detection

Barracuda's Advanced Threat Detection (ATD) uses next-generation sandbox technology including full-system emulation to catch advanced persistent threats, zero-day malware, and all advanced malware designed specifically to evade detection. Advanced Threat Detection on Barracuda NextGen Firewalls ensures flexible and simple deployment into existing networks because no additional hardware is required. Resource-intensive sandboxing is offloaded to the Barracuda Advanced Threat Detection Cloud with its multiple datacenters in the Americas, mainland Europe, and the UK. A hash fingerprint of each file and the good/bad classification of all sandboxed files are stored and cached for future use, effectively speeding up processing and guaranteeing near instantaneous results. Over 95% of all files checked by the ATD service have typically been seen before and only very few files need processing.

Since the Barracuda Advanced Threat Detection cloud database cache is continuously updated by tens of thousands of Barracuda NextGen Firewalls, Email Security Gateways, Web Security Gateways and the Barracuda Email Security Service, the Barracuda ATD service provides a true worldwide early detection grid for newly emerging malware.

With Advanced Threat Detection on Barracuda NextGen Firewalls, the firewall administrator has full policy control over how PDF documents, Microsoft Office Files, EXEs/MSIs/DLLs, Android APKs, compressed files, and archives are emulated and delivered to the client. Based on identified malware activity, infected users can be automatically quarantined, thereby preventing the malware from spreading within the network. Customizable, on-demand analysis reports for any emulated file provide full insight and details on malicious activities, file behavior, system-registry entries, and evasion and obfuscation techniques. This also enables network activities such as establishing encrypted connections to botnet command and control centers for increased security posture to evade scaled botnet attacks.

Botnet and Spyware Protection

In combination with the Advanced Threat Detection cloud database, all Barracuda Next Gen Firewall F-Series provide provide protection against botnet infections. The F-Series detects potentially infected clients based on DNS requests. Once an infected client is detected, it can be isolated automatically, and an alert can be created or reported with the Barracuda Report Creator.

Barracuda NextGen Firewall F

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Barracuda NextGen Firewall F

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Barracuda NextGen Firewall F

Barracuda ATD
Signature DB
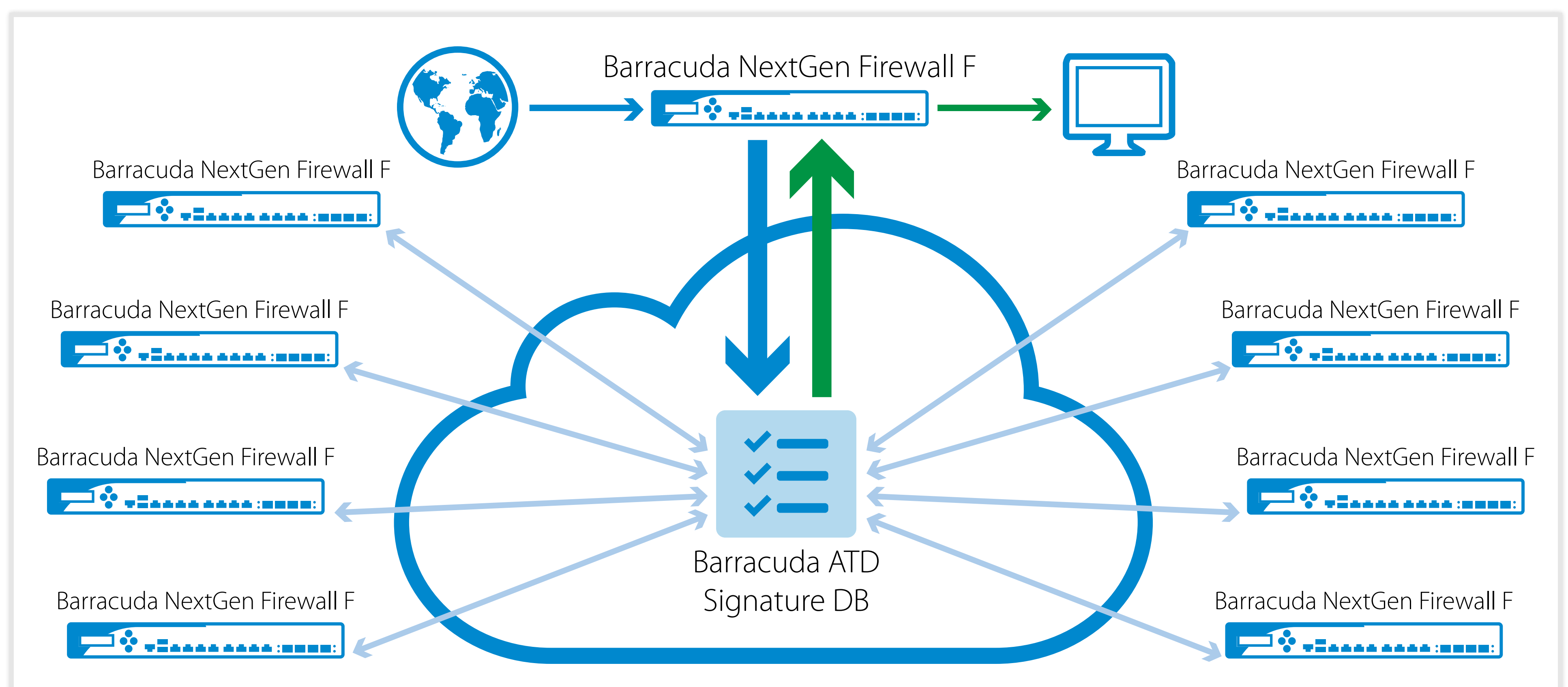
Web Filtering

Web filtering on the Barracuda NextGen Firewall F-Series is included with the Energize Updates subscription and enables highly granular, real-time visibility into online activity, broken down by individual users and applications, thereby letting administrators create and enforce effective Internet content and access policies.

Web filter functionality with the Barracuda NextGen Firewall F-Series protects user productivity, blocks malware downloads and other web-based threats, enables compliance by blocking access to inappropriate websites and servers, and provides an additional layer of security alongside application control.

For more details, please click here...

Safe Search Enforcement

Many search engines have a safe search setting that filters out adult search results such as inappropriate images and videos in search query return traffic. On Barracuda NextGen Firewalls customers can easily activate Safe Search Enforcement so that the firewall will enforce safe search settings for all common search providers such as Google, Yahoo, and Bing, and even within YouTube. Search engines not supported can easily be blocked.

This functionality is even effective within SSL-encrypted search engines like google.com if SSL Inspection (included with all Barracuda NextGen Firewall F-Series) is activated.

Google Apps Accounts Enforcement

In some cases, users with their own Google Apps account may be able to circumvent Safe Search enforcement settings by logging in from their workstation with their own Google Apps account. To prevent this, all Barracuda NextGen Firewalls enforce and limit Google Apps Accounts logins only for a list of predefined Apps accounts easily created the administrator.

Mail Security Gateway

Mail is still one of the most common ways of spreading malware. Barracuda NextGen Firewalls include all necessary means to prevent incoming email to the corporate mail server from being infected.

Barracuda NextGen Firewall mail security includes malware scanning, Advanced Threat Detection, and basic spam filtering via DNS blacklisting of known mail senders and malware domains.

For more details, please click here...

Malware Protection

The optional Malware Protection shields the internal network from malicious content by scanning web content (HTTP and HTTPs), email (SMTP, POP3), and file transfers (FTP) via two fully integrated antivirus engines. Malware protection is based on regular signature updates as well as heuristics to detect malware or other potentially unwanted programs even before signatures are available. The malware protection covers viruses, worms, Trojans, malicious Java applets, and programs using known exploits on PDF, pictures and office documents, macro viruses, and many more, even when using stealth or morphing techniques for obfuscation.

For more details, please click here...

File Content Enforcement

The Barracuda NextGen Firewall F-Series includes true file type detection and enforcement capabilities based not only on extension and MIME type, but also on sophisticated true file type detection algorithms. Bypassing executable files by renaming or compressing is detected and blocked. Besides blocking / allowing connections, the NextGen Firewall F-Series also lets admins change download priorities . For example, if an ISO image started downloading with normal web traffic priority, the admin can increase or decrease the assigned bandwidth for the download, even though the user started downloading via a regular web- browsing session.
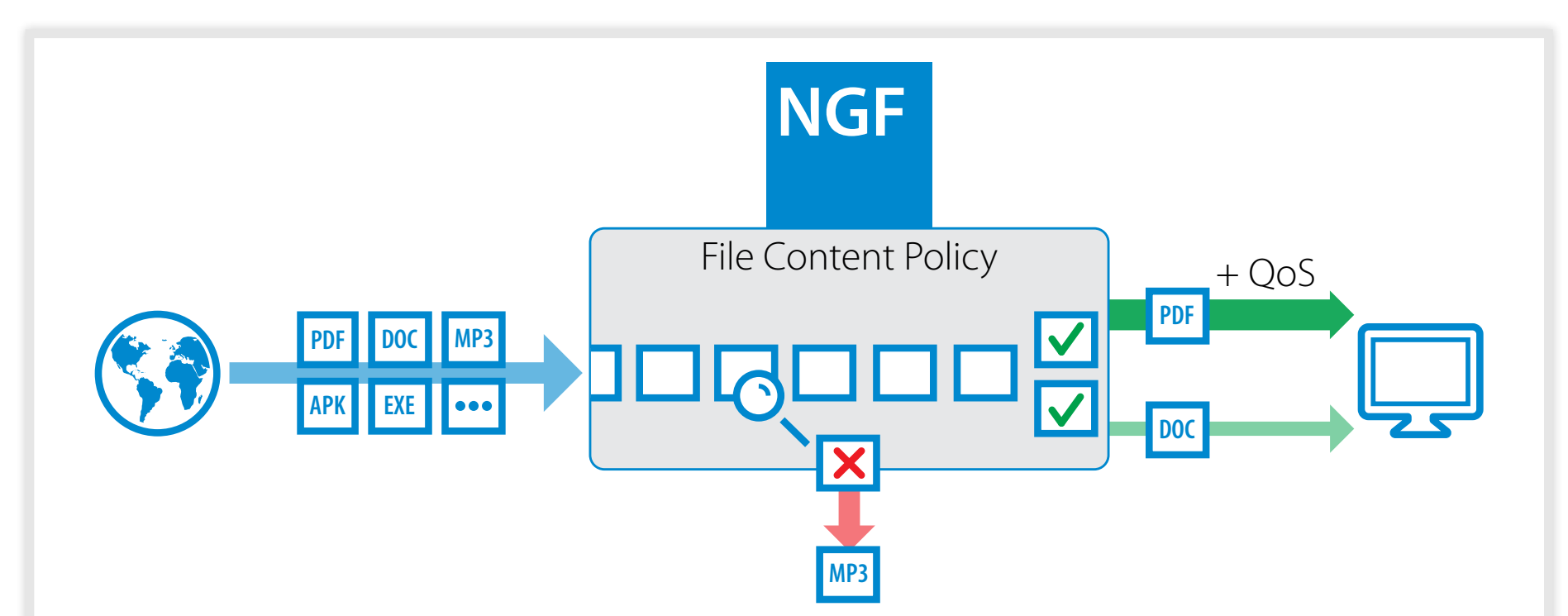
Network Security

Intrusion Detection and Prevention

Every Barracuda Next Generation firewall includes a built-in Intrusion Detection and Prevention System (IDS/IPS) that provides complete and comprehensive real-time network protection against a broad range of network threats, vulnerabilities, exploits, and exposures in operating systems, applications, and databases, thereby preventing network attacks such as:

- SQL injections and arbitrary code executions
- Access control attempts and privilege escalations
- Cross-site scripting and buffer overflows
- DoS and DDoS attacks
- Directory traversal and probing and scanning attempts
- Backdoor attacks, Trojans, rootkits, viruses, worms, and spyware

By providing advanced attack and threat protection features such as stream segmentation and packet anomaly protection, TCP split handshake protection, IP and RPC defragmentation, FTP evasion protection, as well as URL and HTML decoding, the Barracuda NextGen Firewalls can identify and block advanced evasion attempts and obfuscation techniques that are used by attackers to circumvent and trick traditional intrusion prevention systems. As part of Barracuda's Energize Updates subscription automatic IPS signature updates are delivered on a regular schedule or on an emergency basis to ensure that the Barracuda NextGen Firewalls are constantly up-to-date.

For more details, please click here...

Dos/DDos Attack protection

Every Barracuda NextGen Firewall F-Series comes with a host of built-in network protection functionalities beyond firewalling and IPS to protect networks and resources against malicious over-exhaustion.

TCP SYN flooding attacks are automatically prevented by predefined connection attempt limits that are configurable separately for outbound and inbound accept policies.

To further guard against regular DoS/DDoS attacks, the maximum number of new sessions and the allowed total number of sessions from a single source can be specified. This protects against resource exhaustion of your firewalls as well as the servers and networks behind them. These settings are configurable on a per-rule basis, thereby ensuring that protected servers with higher loads like web servers may be fully utilized.

Barracuda
Energize Updates

Barracuda
Advanced Threat Detection

Web Filtering
(cloud or on-box)

Advanced persistent threats,
Advanced malware & zero-day exploits

Malware (AV / IPS)

Geo IP Control

DoS / DDoS

on-box

Malware Protection

IPS / IDS

Advanced persistent threats,
Advanced malware & zero-day exploits

Botnet &Spyware
connections

Malware (AV)

Web Filtering

Barracuda NextGen Firewall F-Series

The exponential growth in cloud computing offerings has driven more and more organizations to consider adopting a hybrid network WAN with new workloads being deployed predominantly to the cloud. Potential cost savings and the ability to scale up and down are attractive cloud propositions, but the real reason companies move to the cloud is the ability to push products to the market much more quickly.

To fully experience cloud computing benefits, Barracuda NextGen Firewalls help organizations apply the same levels of security and connectivity as if the new network were in the local, on-premises datacenter.

Secure Connectivity to the Cloud

Barracuda NextGen Firewalls are designed from the ground up to enable access to cloud applications by utilizing a unique combination of link bonding, dynamic application prioritization, application-based uplink selection and WAN Optimization techniques to improve the WAN network performance to the cloud, regardless of office type or remote mobile locations.

Deploying Multi-Tier Architectures

Segmenting cloud networks into multiple tiers provides security, visibility, and compliance for on-premises applications. Additionally, this can be leveraged when the applications are deployed in public cloud environments through the Barracuda NextGen Firewall F-Series. The Barracuda NextGen Firewall F secures, restricts, and monitors the communications between these tiers, and limits the potential damage to an organization in the event of an attack. By filling the functional gaps between cloud infrastructure security and a defense-in-depth strategy, the Barracuda NextGen Firewall provides protection between the application and data layers, rather than solely where the cloud network starts.

This architecture provides:
- Comprehensive security enforcement inside the cloud
- Threat detection and traffic monitoring between cloud application components
- Secure integration with on-premises resources
- Restricted and encrypted role-based administrative access to application infrastructure
- A mix of cloud hosted network tiers and on-premises tiers if required by compliance regulations

Enhancing ExpressRoute Security

Azure ExpressRoute allows organizations to establish high-performance private connections between Azure datacenters and on-premises infrastructure and provides low latencies, failure-resilient connectivity and consistent predictable performance. The Barracuda NextGen Firewall F-Series enhances ExpressRoute security and boosts reliability and performance of Azure session connections:
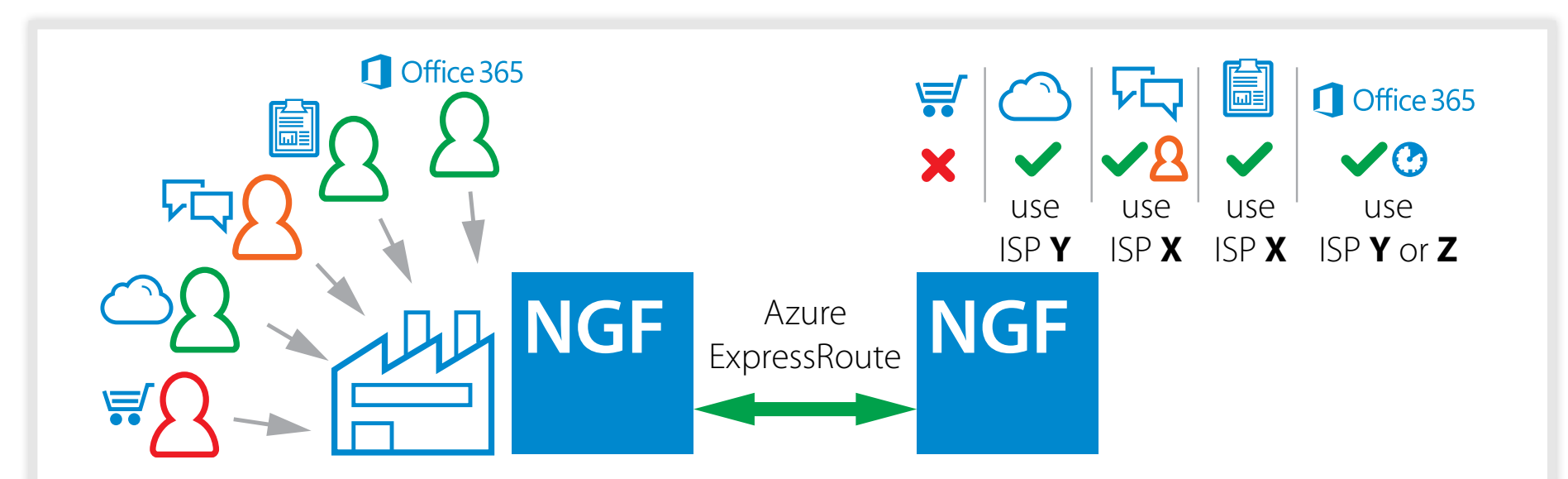
Security
- Encrypt traffic across ExpressRoute
- Check traffic for network threats and malware
- Prevent unwanted traffic from entering or leaving the cloud

Reliability & Performance
- Provide transparent fallback to Internet VPN in case of MPLS uplink failure while preserving all running sessions
- Bond ExpressRoute with up to 23 Internet uplinks using Barracuda TINA VPN technology for significantly enhanced cloud connection

Intelligence
- Log all traffic for troubleshooting and reporting purposes
- Enforce priorities for protocols and applications utilizing ExpressRoute
- Enforce security policies based on user identity

Supported Public Cloud Offerings and Available Deployment Sizes

For more details on Microsoft Azure and the Barracuda NextGen Firewall F-Series, please visit barracuda.com/programs/azure.

Microsoft Azure				
Capabilities	Level 2	Level 4	Level 6	Level 8
Virtual Cores	1	2	4	8
Features [1]				
Malware Protection	Optional	Optional	Optional	Optional
Advanced Threat Detection	Optional	Optional	Optional	Optional
Premium Remote Access	Optional	Optional	Optional	Optional
Premium Support	-	-	Optional	Optional

[1]   For more details on Microsoft Azure and Barracuda NextGen Firewall F-Series, please visit barracuda.com/programs/azure.

For more details on Amazon Web Services and the Barracuda NextGen Firewall F-Series, please visit barracuda.com/programs/aws.

Amazon Web Services				
Capabilities	Level 2	Level 4	Level 6	Level 8
Virtual Cores	1	2	4	8
Features [1]				
Malware Protection	Optional	Optional	Optional	Optional
Advanced Threat Detection	Optional	Optional	Optional	Optional
Premium Remote Access	Optional	Optional	Optional	Optional
Premium Support	-	-	Optional	Optional

[1]   For more details on Amazon Web Services and Barracuda NextGen Firewall F-Series, please visit barracuda.com/programs/aws.

Google Cloud				
Capabilities	Level 2	Level 4	Level 6	Level 8
Virtual Cores	1	2	4	8
Features				
Malware Protection	Optional	Optional	Optional	Optional
Advanced Threat Detection	Optional	Optional	Optional	Optional
Premium Remote Access	Optional	Optional	Optional	Optional
Premium Support	-	-	Optional	Optional

Barracuda NextGen Firewall F-Series virtual appliances are available for deployment on vCloud Air. For details, please see page 39 and visit barracuda.com/solutions/virtual.

With the increasing adoption of virtualization, software-defined networks (a.k.a. SD-WAN) and cloud-native applications in today's business environment, the role of the firewall has evolved from a gateway-based, security-only device to a set of distributed solutions that make sure the WAN network is available any time for any type of endpoint. Regardless if the WAN endpoint is a headquarters, a remote office, a network in the IaaS cloud, or a mobile endpoint, NextGen Firewalls are expected to enable impeccable WAN performance.

NextGen Firewall units deployed to multiple physical and cloud locations allow an organization to create a fault-tolerant, high-performance WAN network on top of low-cost broadband lines by combining full next-gen deep security inspection, smart policy-based adaptive traffic management, and WAN optimization technology into a single centrally manageable solution. Besides improved fault tolerance against outages and better WAN performance, the solution enables cost optimization strategies when multiple carriers/ISPs are combined to get the required bandwidth at an optimum price. This section highlights of Barracuda NextGen Firewalls' WAN reliability and performance technologies.

WAN Optimization

All Barracuda NextGen Firewalls include enterprise-grade WAN acceleration technology such as data deduplication, traffic compression and protocol optimization. With built-in WAN optimization, Barracuda NextGen Firewalls significantly improve site-to-site WAN network throughput and accelerate the delivery of business applications - at no extra charge.

WAN Optimization is even included with Barracuda NextGen Firewall F-Series virtual and cloud-based deployment options, effectively enabling secure, high-performance direct Internet breakouts to cloud-hosted networks for every remote location.

For more details, please click here...

Failover and Link Balancing

Barracuda NextGen Firewalls provide a wide range of built-in uplink options such as leased lines, broadband (DHCP, DSL/cable, PPPoA, PPPoE, PPTP), and 3G/4G/ UMTS. Up to 24 uplinks can be combined in load sharing or failover mode, eliminating the need to purchase additional devices for link balancing. Barracuda NextGen Firewalls' unique combination of application awareness and traffic intelligence mechanisms automatically prioritizes business-critical applications, networks, and even distinct endpoints in case overall remaining bandwidth is degraded.

Unlike typical firewall solutions, all uplinks can be utilized to distribute VPN traffic, effectively enabling extremely reliable site-to-site VPN connectivity with only inexpensive broadband or even 4G uplinks.
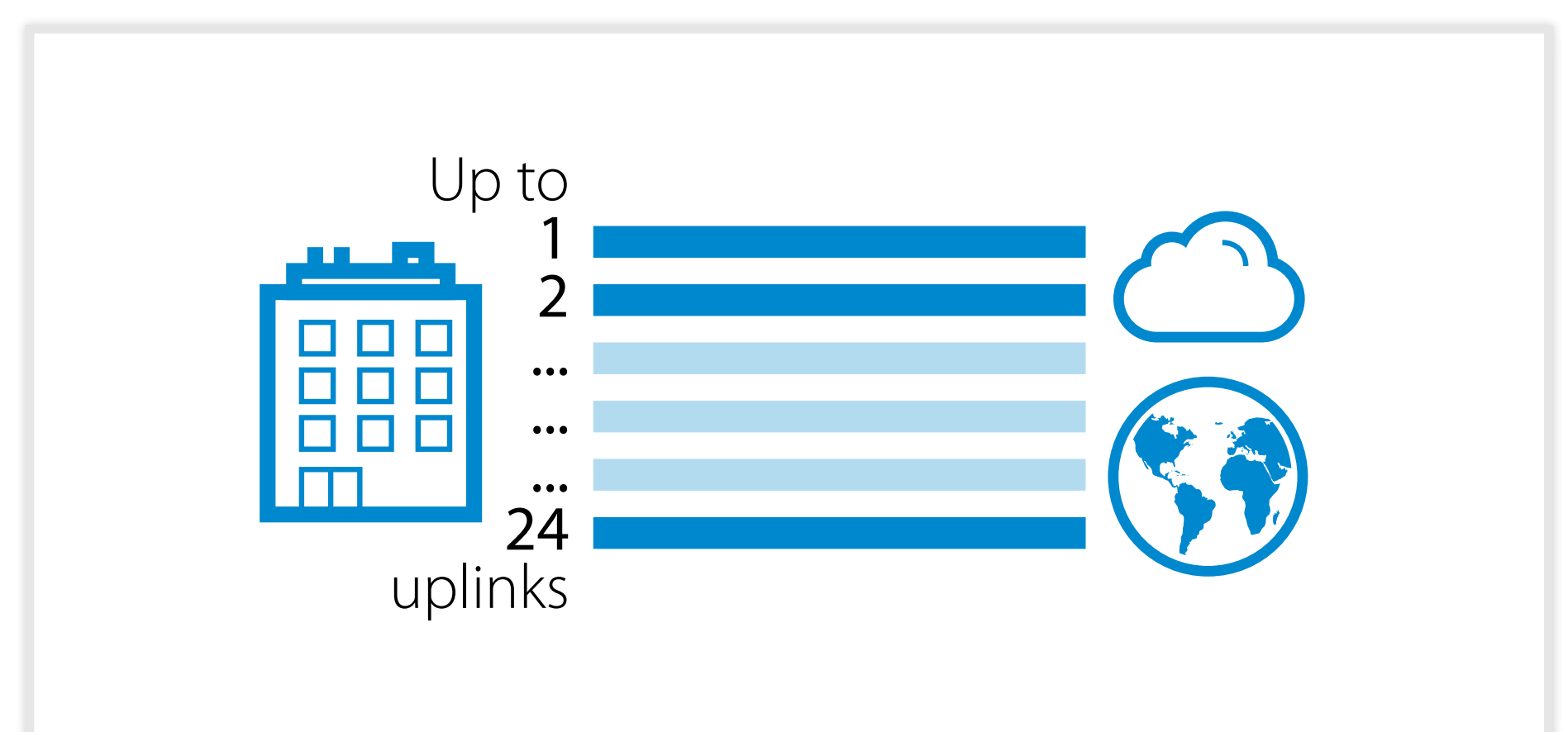
On-Demand Dynamic Mesh VPN

Barracuda NextGen Firewall F-Series deployments in a centrally managed WAN network create VPN tunnels dynamically based on remote peer and application. The typical use case for this technology is on-demand VPN tunnels between two branch offices for a VoIP telephone call, thereby improving call quality.

For hybrid networks hosted in public cloud infrastructures like Microsoft Azure or Amazon AWS, this technology can easily be used to enable on-the-fly and direct access to cloud applications from remote offices that otherwise do not need a permanent connection to the cloud.

The Barracuda NextGen Firewall F-Series incorporates advanced client-to-site VPN capabilities, using SSL, IPsec, and TINA protocols to ensure remote users can easily and securely access network resources without time-consuming client configuration and management. The communication protocols used with our clients are optimized to be fully roaming-capable by quickly reconnecting upon loss of communication. Smart pathfinder technology determines the nearest point of entry to the corporate network. By using different ports encapsulated in either TCP or UDP, the advanced NAT traversal technology can easily pass through web proxies.

The influx of private computing devices, be they smartphones, laptops, or tablets, into the workplace may help increase productivity, flexibility, and convenience. However, **BYOD** (Bring Your Own Device) adds new security challenges and risks, such as enabling and controlling access, as well as preventing data loss. The F-Series provides strong capabilities that give users the full advantage of their devices while reducing possible risks to their business. Unwanted applications can be blocked, LAN segmentation can protect sensitive data, and network access control can check the health state of each device connecting to the corporate network.

Designed for Corporate Devices

Power User — **VPN Client** for Desktop

Designed for BYOD and Mobile

Remote Worker — **CudaLaunch**

Road Warrior

Ad Hoc — **SSL VPN** via Browser

NGF
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JIRA

SharePoint

Available as
- hardware appliance
- virtual appliance
- cloud service
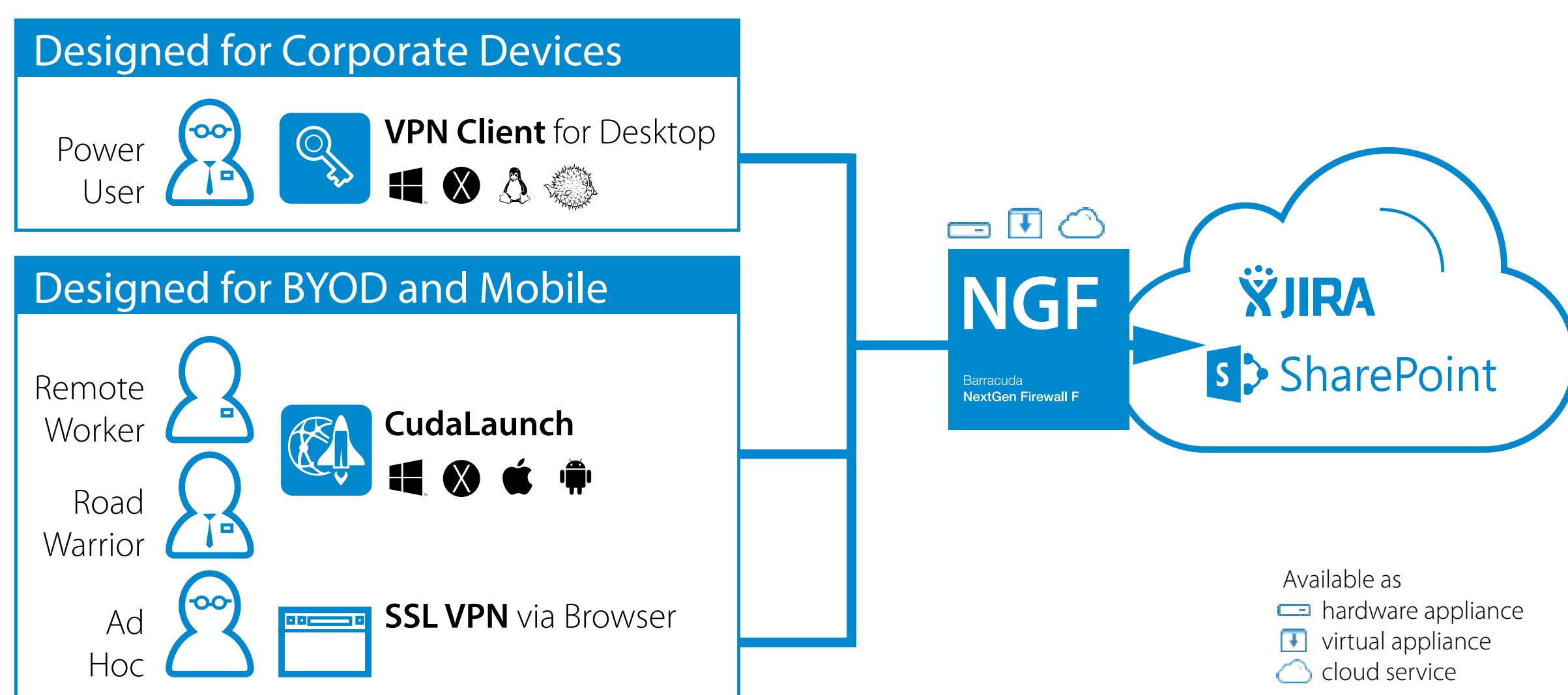
About TINA Protocol

The TINA protocol encapsulates encrypted ESP payload in TCP or UDP packets, thus adapting to underlying transport network quality and providing failure resistant, high-speed VPN connections. It also improves VPN connectivity substantially by adding:

- Multiple concurrent physical transport paths per logical tunnel
- Session level or packet level transport aggregation for increased total tunnel throughput
- Adaptive traffic shaping depending on VPN transport availability
- Fallback transports in case of uplink failure
- Traffic compression and deduplication
- DHCP and NAT support

Browser Remote Access (SSL VPN)

Barracuda's responsive SSL VPN portal enables you to provide simple browser-based remote access on desktop or mobile devices. When accessing the portal via the web browser on a desktop or mobile device, users can browse apps, network folders, and files as if they were connected to the office network. The responsive portal supports most commonly used devices (Apple iOS, Android, Blackberry, etc.) and is part of the Premium Remote Access subscription.

CudaLaunch
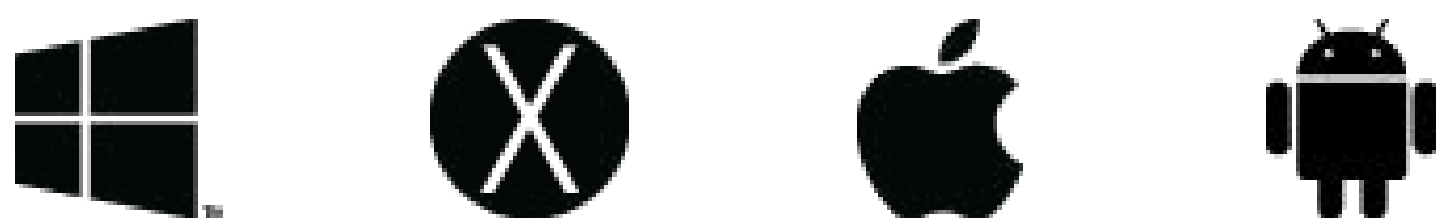
CudaLaunch is a simple-to-use remote connectivity application specifically designed to securely extend the company network to BYOD and mobile devices. The app is available for Windows, macOS, iOS, and Android, can be downloaded from the App Stores. End users can install the app without elevated privileges on the device. CudaLaunch looks and feels the same on every platform and provides fast, Java-independent access to commonly used applications in the company network, regardless if hosted on-premises or in the cloud. CudaLaunch's Zero Touch Deployment drastically reduces support and Sys admin costs for rapidly changing mobile and BYOD devices.

CudaLaunch is available for download here:

Mobile

Desktop
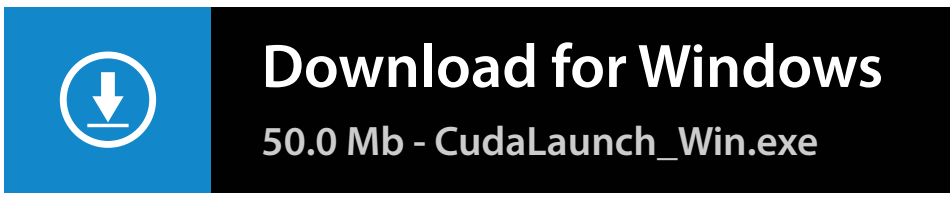
	Base Licence	Premium Remote Access
One Concurrent CudaLaunch Session (for evaluation)	●	●
IPsec VPN (manually configured VPN connections)	●	●
Barracuda Networks Access Client		
TINA VPN Client (Windows, macOS, Linux & openBSD)	●	●
Personal Firewall & Health Checks (Windows only)		●
Browser-based Remote Access		
SSL VPN Portal (for desktop / mobile)		●
Health Checks		●
CudaLaunch		
Apps		●
SSL Tunnels		●
Native Apps - RDP Launching (no Java)		●
VPN Connections (Windows, macOS, iOS, Android)		●
Multiple concurrent sessions by same user		●

VPN Clients (Barracuda Network Access Client)

Every Barracuda NextGen Firewall supports an unlimited number of VPN clients at no extra cost. The Barracuda Network Access VPN Client provides a sophisticated VPN client for Windows, macOS, and Linux that provides richer performance and functionality than standard IPsec client software. Benefits include quick restoration of VPN tunnels, "Always On" VPN connections for PCs, redundant VPN gateway support, selective routing of network traffic through the VPN tunnel, and optimal VPN-Gateway detection based on location. The Barracuda Network Access Client, when used with a Barracuda NextGen Firewall F, provides centrally managed Network Access Control (NAC) and an advanced Personal Firewall. This enforces client health and security policies for remote users connecting to the corporate network.

Barracuda VPN Client for macOS
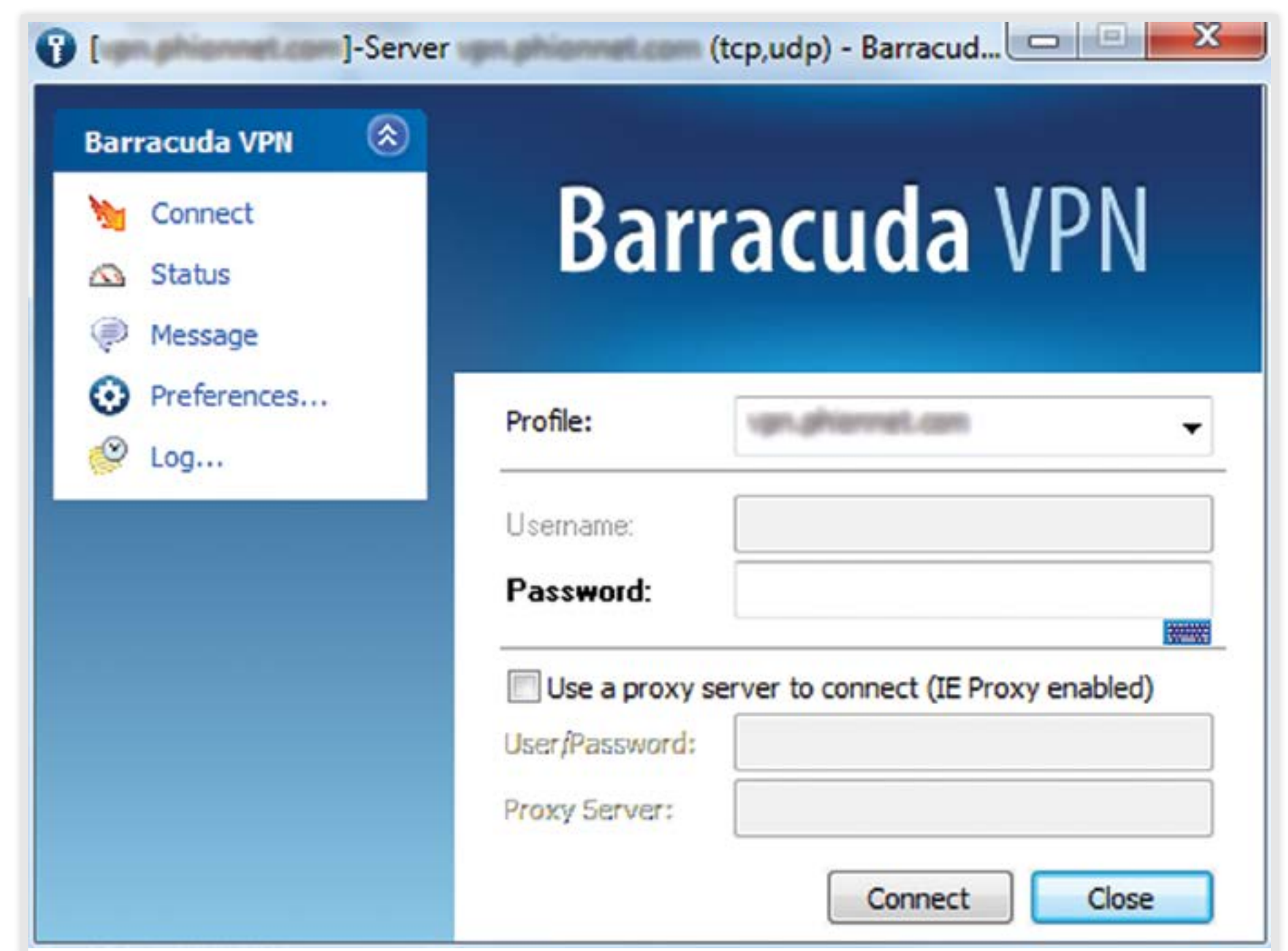
Barracuda VPN Client for Windows 7

To centralize management across many different firewalls and remote access users, the **Barracuda NextGen Control Center** enables administrators to manage and configure security, content, traffic management, and network access policies from a single interface. Template-based configuration and globally available security objects enable efficient configuration across thousands of locations.

The Barracuda NextGen Control Center helps significantly reduce the cost associated with security management while providing extra functionality both centrally and locally at the managed gateway. Software patches and version upgrades are centrally controlled from within the management console and deployment can be applied to all managed devices.

Highly customizable administrative roles can be defined to delegate administrative capabilities for specific departments or locations.
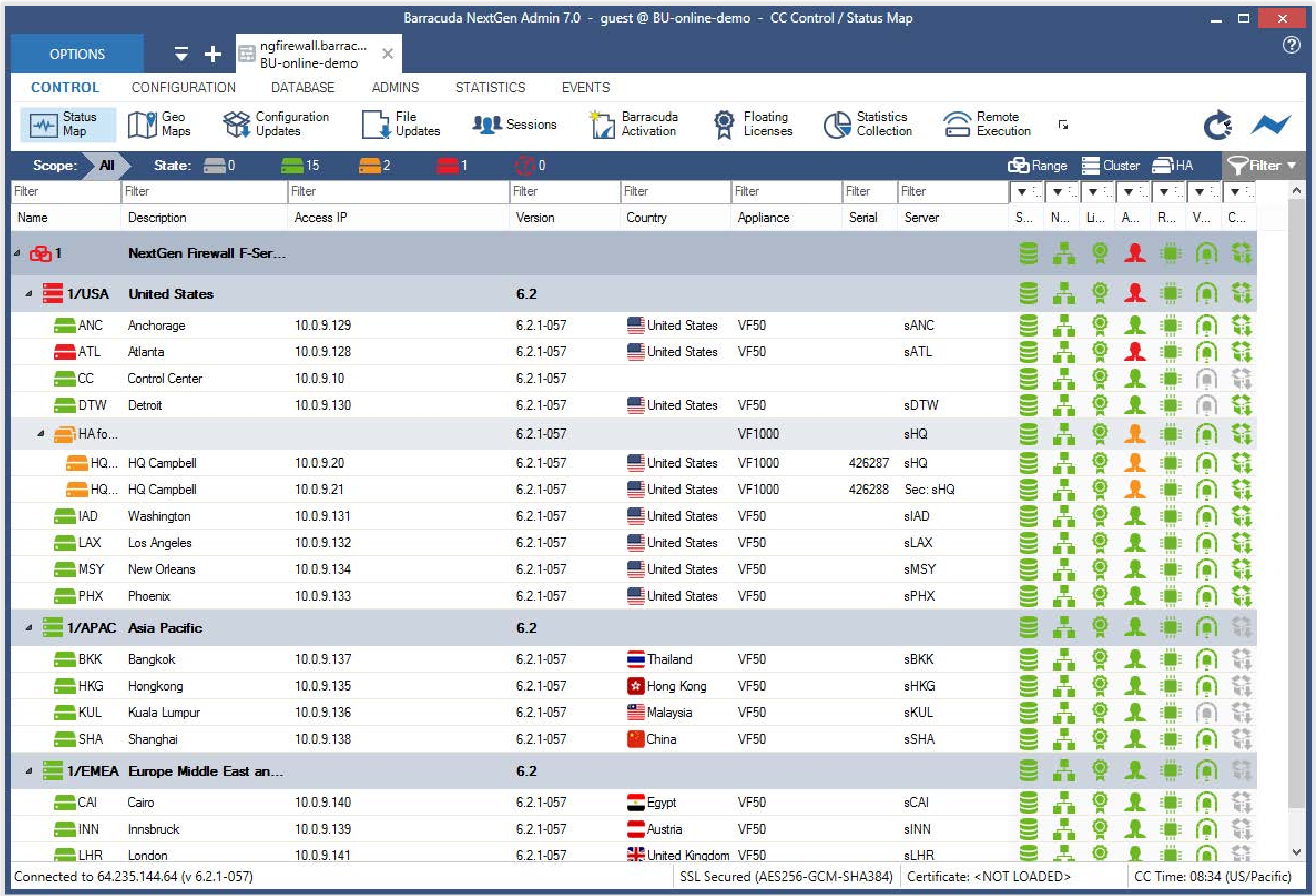
Barracuda NextGen Control Center's Status Map displays a drill down status overview of all centrally managed Barracuda NextGen Firewall F-Series deployments.

Lifecycle Management

Scalable Barracuda NextGen Firewall F's offer companies sustainable investment protection. Energize Updates automatically provide the latest firmware and threat definitions to keep the appliance up to date. With a maintained Instant Replacement subscription, organizations receive a new appliance with the latest specs every four years.

Scalable Deployment

Managing the security issues in a widely distributed enterprise network can be painful and extremely time consuming. Managing a system may take only 15 minutes per day. But having 20 firewall systems in place results in five hours per day – just to manage the existing system.

With Barracuda NextGen Control Center, managing multiple F-Series deployments takes the same amount of time as managing one.

Model Comparison	Standard Edition			Enterprise Edition			Global Edition
	C400 hardware model	**VC400** virtual environments	**VCC400** public cloud offerings	**C610** hardware model	**VC 610** virtual environments	**VCC610** public cloud offerings	**VC820** virtual environments
HARDWARE							
Form Factor	1U Full Size	vmware, Hyper-V, Cytrix Xen Server, KVM	Microsoft Azure and Amazon Web Services supported	2U Full Size	vmware, Hyper-V, Cytrix Xen Server, KVM	Microsoft Azure and Amazon Web Services supported	vmware, Hyper-V, Cytrix Xen Server, KVM
Dimensions (Height x Width x Depth) [in]	16.0 x 16.7 x 1.7			17.4 x 25.5 x 3.5			
Dimensions (Height x Width x Depth) [mm]	406 x 425 x 44			442 x 648 x 89			
Weight [lbs]	13.1			39.7			
Weight [kg]	5.9			18			
Copper Ethernet NICs	2x1 GbE			2x1 GbE			
Mass Storage Type	HDD	Specifications depend on selected hardware / compute instance		HDD	Specifications depend on selected hardware / compute instance		
Mass Storage Size [GB]	2 x 250 or better			4 x 500 or better			
Power Supply	Single, internal			Dual, internal			
Max. power draw @ 120V [Amps.]	1.8			4.1			
Max. power draw @ 230V [Amps.]	0.9			2.1			
Features							
Max. no. of Managed Gateways [Recommended]	Not limited [20]	Not limited [20]	Not limited [20]	Not limited [200]	Not limited [hardware-dependent]		
Manageable Configuration Groupings	1	1	1	Not limited	Not limited	Not limited	Not limited
Multi-Administrator Support	●	●	●	●	●	●	●
Role-based Administration	●	●	●	●	●	●	●
Revision Control System	●	●	●	●	●	●	●
Central Statistics	●	●	●	●	●	●	●
Central Syslog Host / Relay	●	●	●	●	●	●	●
Firewall Audit Information Collector / Viewer	●	●	●	●	●	●	●
Barracuda Access Monitor	●	●	●	●	●	●	●
Barracuda Earth				●	●	●	●
PKI Service				●	●	●	●
High Availability	Optional	Optional	Optional	Optional	Optional	Optional	HA license included
Multi-tenancy				Yes (via configuration groupings)			Yes, support for 5 tenants
Additional Tenant for Multi-tenancy							Optional

With hardware models available for small branch offices as well as large headquarters and datacenters, and a corresponding offering of virtual appliances, the Barracuda NextGen Firewall F-Series is designed for deployment across the entire enterprise.

For more information on how the Barracuda NextGen Firewall F-Series (i.e, model FSC1 and FSAC) can secure your Industry & Internet of Things applications, please consult F-Series for IoT web site.

Model Comparison	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000
Capacity (more detailed on page 20ff.)										
Firewall Throughput [1,2]	1.0 Gbps	1.35 Gbps	1.65 Gbps	3.0 Gbps	3.8 Gbps	5.5 Gbps	16.3 Gbps [3]	19.6 Gbps [3]	35 Gbps [3]	40 Gbps [3]
VPN Throughput [4]	190 Mbps	240 Mbps	300 Mbps	1.0 Gbps	1.2 Gpbs	1.2 Gbps	2.3 Gbps [3]	7.3 Gbps [3]	9.3 Gbps [3]	10 Gbps [3]
IPS Throughput [1,2]	400 Mbps	500 Mbps	600 Mbps	1.0 Gbps	1.4 Gbps	2.0 Gbps	5.0 Gbps [3]	6.5 Gbps [3]	11.3 Gbps [3]	13 Gbps [3]
Concurrent Sessions	80,000	80,000	100,000	250,000	400,000	500,000	2,100,000 [3]	2,500,000 [3]	4,000,000 [3]	10,000,000 [3]
New Sessions/s	8,000	8,000	9,000	10,000	15,000	20,000	115,000 [3]	150,000 [3]	190,000 [3]	250,000 [3]
Firewall Users	No limit									
Site-to-Site VPN Tunnels	No limit									
Barracuda VPN Clients (recommended) [5]	No limit									
	(25)	(25)	(50)	(50)	(50)	(50)	(100)	(500)	(1,000)	(2,000)
Available Software/Feature Subscriptions										
Energize Updates	**Mandatory**									
Malware Protection [6]	**Optional**									
Advanced Threat Detection [6]	**Optional**									
Premium Remote Access		**Optional**								
Available Hardware/Support Subscriptions										
Warranty Extension	**Optional**									
Instant Replacement	**Optional**									
Cold Spare Unit	**Optional**									
Premium Support	depends on product mix and size of deployment						**Optional**			

[1] Chassis throughput across multiple port pairs
[2] Measured with large packets (MTU1500)
[3] Measured with 10GbE fiber ports.

[4] VPN throughput using AES-128 NOHASH
[5] Basically, the number of Barracuda VPN Clients connecting is unlimited.
[6] These two subscriptions are also available in a bundled subscription "Advanced Threat and Malware Protection"

Remote Access

Dedicated VPN Clients for

CudaLaunch app for

Clientless SSL VPN

User Interface

Internet of Things

FSC1   FSAC

Branch Office Firewalls

F18

F80

F180

F280

Head Office / Core Firewalls

F380

F400

F600

F800

F900

F1000

Virtual
Appliances

vmware

Microsoft Hyper-V

KVM

Xen

Public Cloud offerings supported

amazon webservices | Partner Network
ADVANCED TECHNOLOGY PARTNER
SECURITY COMPETENCY

Microsoft Azure
Certified

Google Cloud Platform

Central Management
available as:

hardware appliances   virtual appliances   cloud appliances

Barracuda NextGen Firewall F18
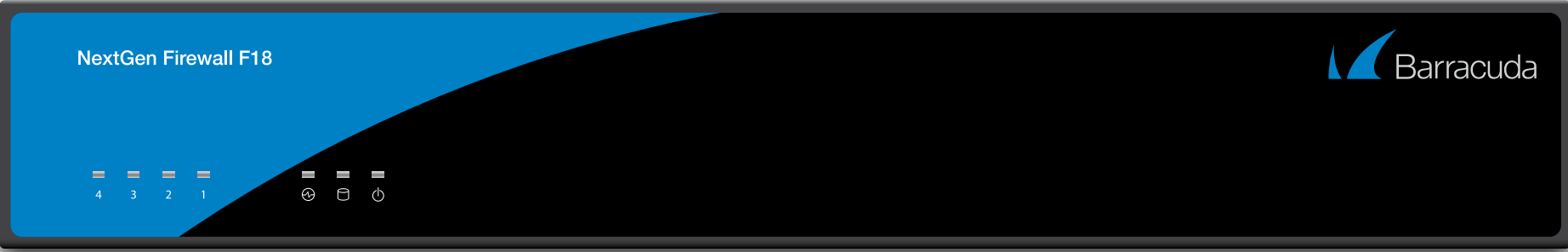
Interface	
Copper Ethernet NICs	4x1 GbE
USB 2.0	4
Serial / console	1 [RJ45]
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [1,2]	1.0
VPN throughput [AES-128, NOHASH, Mbps] [1]	190
VPN throughput [AES-128, MD5, Mbps] [1]	170
VPN throughput [AES-128, SHA, Mbps] [1]	150
VPN throughput [AES-256, MD5, Mbps] [1]	170
IPS throughput [Mbps] [1,2]	400
Concurrent sessions	80,000
New sessions/s [2,3]	8,000
Memory	
RAM [GB]	2
Mass storage	
Type	SSD
Size [GB]	30
SSD MTBF [hours]	N/A
Size, weight, dimensions	
Weight appliance [lbs]	3.1
Weight appliance [kg]	1.3
Appliance size: width x depth x height [in]	10.8 x 6.4 x 1.7
Appliance size: width x depth x height [mm]	274 x 162 x 44
Weight carton with appliance [lbs]	7.0
Weight carton with appliance [kg]	3.2
Carton size: width x depth x height [in]	25.6 x 15.5 x 19.2
Carton size: width x depth x height [mm]	650 x 394 x 487
Form factor	Compact
Hardware	
Display	–
Cooling	Fanless
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +105
Operating temperature [°C]	0 to +35
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single, external
Power supply type	External brick
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	45
Max. power draw @ 120V [Amps.]	0.4
Max. power draw @ 230V [Amps.]	0.2
Max. heat dissipation [W]	65
Max. heat dissipation [BTU]	> 85%
Energy efficiency [average]	> 80%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
External power brick & cables	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda wall mount bracket	Yes

[1] Chassis throughput across multiple port pairs
[2] Measured with large packets (MTU1500)
[3] Measured with TCP

Barracuda NextGen Firewall F80

Interface	
Copper Ethernet NICs	4x1 GbE
USB 2.0	4
Serial / console	1 [RJ45]
VGA	Yes
Integrated WiFi (IEEE 802.11b/g/n)	Yes
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [1,2]	1.35
VPN throughput [AES-128, NOHASH, Mbps] [1]	240
VPN throughput [AES-128, MD5, Mbps] [1]	200
VPN throughput [AES-128, SHA, Mbps] [1]	180
VPN throughput [AES-256, MD5, Mbps] [1]	200
IPS throughput [Mbps] [1,2]	500
Concurrent sessions	80,000
New sessions/s [2,3]	8,000
Memory	
RAM [GB]	2
Mass storage	
Type	SSD
Size [GB]	30
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	3.1
Weight appliance [kg]	1.3
Appliance size: width x depth x height [in]	10.8 x 6.4 x 1.7
Appliance size: width x depth x height [mm]	274 x 162 x 44
Weight carton with appliance [lbs]	7.0
Weight carton with appliance [kg]	3.2
Carton size: width x depth x height [in]	25.6 x 15.5 x 19.2
Carton size: width x depth x height [mm]	650 x 394 x 487
Form factor	Compact
Hardware	
Display	-
Cooling	Fanless
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +105
Operating temperature [°C]	0 to +35
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single
Power supply type	External brick
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	45
Max. power draw @ 120V [Amps.]	0.4
Max. power draw @ 230V [Amps.]	0.2
Max. heat dissipation [W]	19
Max. heat dissipation [BTU]	65
Energy efficiency [average]	> 85%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
External power brick & cables	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Wireless antenna	Yes
2x Barracuda wall mount bracket	Yes

[1] Chassis throughput across multiple port pairs
[2] Measured with large packets (MTU1500)
[3] Measured with TCP

Barracuda NextGen Firewall F180

Interface	
Copper Ethernet NICs	6x1 GbE
Switch	8-port
USB 2.0	4
Serial / console	1 [RJ45]
Integrated WiFi (IEEE 802.11b/g/n)	Yes
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [1,2]	1.65
VPN throughput [AES-128, NOHASH, Mbps] [1]	300
VPN throughput [AES-128, MD5, Mbps] [1]	260
VPN throughput [AES-128, SHA, Mbps] [1]	220
VPN throughput [AES-256, MD5, Mbps] [1]	240
IPS throughput [Mbps] [1,2]	600
Concurrent sessions	100,000
New sessions/s [2,3]	9,000
Memory	
RAM [GB]	2
Mass storage	
Type	SSD
Size [GB]	80
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	4.9
Weight appliance [kg]	2.1
Appliance size: width x depth x height [in]	14.9 x 6.4 x 1.7
Appliance size: width x depth x height [mm]	378 x 162 x 44
Weight carton with appliance [lbs]	9.8
Weight carton with appliance [kg]	4.5
Carton size: width x depth x height [in]	30.9 x 19.5 x 18.5
Carton size: width x depth x height [mm]	786 x 495 x 471
Form factor	Compact
Hardware	
Display	-
Cooling	Fan
Environmental	
Noise emission [db/A]	< 40
Operating temperature [°F]	+30 to +95
Operating temperature [°C]	0 to +35
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single
Power supply type	External brick
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	45
Max. power draw @ 120V [Amps.]	0.4
Max. power draw @ 230V [Amps.]	0.2
Max. heat dissipation [W]	27
Max. heat dissipation [BTU]	91
Energy efficiency [average]	> 85%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
External power brick & cables	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Wireless antenna	Yes
2x Barracuda wall mount bracket	Yes
2x Barracuda L-shape rack mount bracket	Yes

[1] Chassis throughput across multiple port pairs
[2] Measured with large packets (MTU1500)
[3] Measured with TCP

Barracuda NextGen Firewall F280

Interface	
Copper Ethernet NICs	6x1 GbE
Switch	8-port
USB 2.0	4
Serial / console	1 [RJ45]
Integrated WiFi (IEEE 802.11b/g/n)	Yes
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [1,2]	3.0
VPN throughput [AES-128, NOHASH, Gbps] [1]	1.0
VPN throughput [AES-128, MD5, Mbps] [1]	850
VPN throughput [AES-128, SHA, Mbps] [1]	770
VPN throughput [AES-256, MD5, Mbps] [1]	720
IPS throughput [Gbps] [1,2]	1.0
Concurrent sessions	250,000
New sessions/s [2,3]	10,000
Memory	
RAM [GB]	4
Mass storage	
Type	SSD
Size [GB]	80
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	4.9
Weight appliance [kg]	2.1
Appliance size: width x depth x height [in]	14.9 x 6.4 x 1.7
Appliance size: width x depth x height [mm]	378 x 162 x 44
Weight carton with appliance [lbs]	9.8
Weight carton with appliance [kg]	4.5
Carton size: width x depth x height [in]	30.9 x 19.5 x 18.5
Carton size: width x depth x height [mm]	786 x 495 x 471
Form factor	Compact
Hardware	
Display	-
Cooling	Fan
Environmental	
Noise emission [db/A]	< 40
Operating temperature [°F]	+30 to +95
Operating temperature [°C]	0 to +35
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single
Power supply type	External brick
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	45
Max. power draw @ 120V [Amps.]	0.4
Max. power draw @ 230V [Amps.]	0.2
Max. heat dissipation [W]	27
Max. heat dissipation [BTU]	91
Energy efficiency [average]	> 85%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
External power brick & cables	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Wireless antenna	Yes
2x Barracuda wall mount bracket	Yes
2x Barracuda L-shape rack mount bracket	Yes

[1]   Chassis throughput across multiple port pairs
[2]   Measured with large packets (MTU1500)
[3]   Measured with TCP

Barracuda NextGen Firewall F380

Interface	
Copper Ethernet NICs	8x1 GbE
USB 2.0	2
Serial / console	1 [RJ45]
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [1, 2]	3.8
VPN throughput [AES-128, NOHASH, Gbps] [1]	1.2
VPN throughput [AES-128, MD5, Mbps] [1]	300
VPN throughput [AES-128, SHA, Mbps] [1]	290
VPN throughput [AES-256, MD5, Mbps] [1]	220
IPS throughput [Gbps] [1, 2]	1.4
Concurrent sessions	400,000
New sessions/s [2, 3]	15,000
Memory	
RAM [GB]	4
Mass storage	
Type	SSD
Size [GB]	80
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	13
Weight appliance [kg]	5.9
Appliance size: width x depth x height [in]	16.9 x 13.0 x 1.7
Appliance size: width x depth x height [mm]	428 x 330 x 44
Weight carton with appliance [lbs]	17.6
Weight carton with appliance [kg]	8.0
Carton size: width x depth x height [in]	21.3 x 21.3 x 8.3
Carton size: width x depth x height [mm]	540 x 540 x 210
Form factor	1U Rack Mount
Hardware	
Display	Yes
Cooling	Fan
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +95
Operating temperature [°C]	0 to +40
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single
Power supply type	Internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	60
Max. power draw @ 120V [Amps.]	1.6
Max. power draw @ 230V [Amps.]	0.8
Max. heat dissipation [W]	60
Max. heat dissipation [BTU]	205
Energy efficiency [average]	> 83%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes

[1] Chassis throughput across multiple port pairs
[2] Measured with large packets (MTU1500)
[3] Measured with TCP

Barracuda NextGen Firewall F400

Picture shows Barracuda NextGen Firewall F400 model F20.
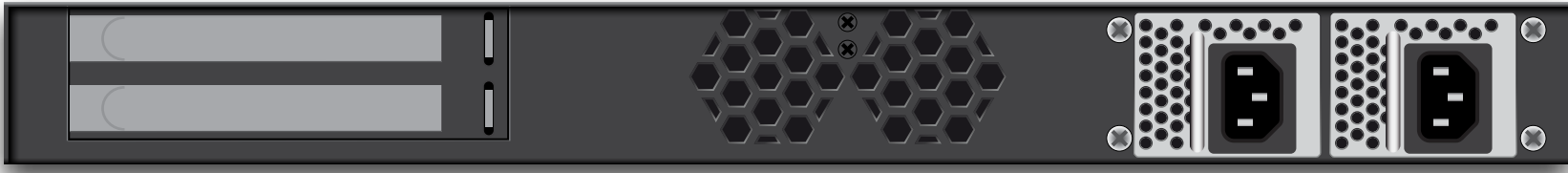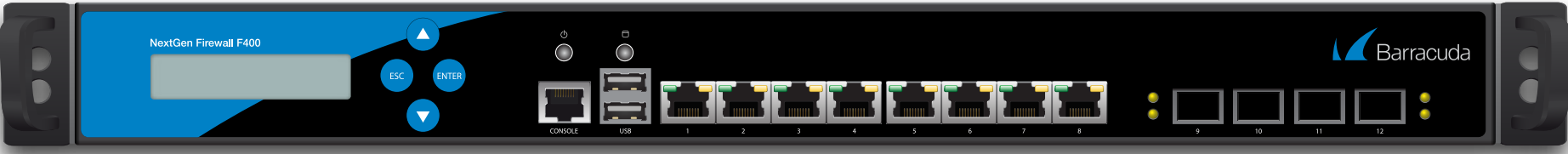
Interface [1]	
Copper Ethernet NICs	8x1 GbE
Model F20	8x1 GbE Copper & 4x1 GbE SFP
USB 2.0	2
Serial / console	1 [RJ45]
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [2,3]	5.5
VPN throughput [AES-128, NOHASH, Gbps] [2]	1.2
VPN throughput [AES-128, MD5, Mbps] [2]	790
VPN throughput [AES-128, SHA, Mbps] [2]	740
VPN throughput [AES-256, MD5, Mbps] [2]	690
IPS throughput [Gbps] [2,3]	2.0
Concurrent sessions	500,000
New sessions/s [3,4]	20,000
Memory	
RAM [GB]	4
Mass storage	
Type	SSD
Size [GB]	80
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	16.5
Weight appliance [kg]	7.5
Appliance size: width x depth x height [in]	16.9 x 17.7 x 1.7
Appliance size: width x depth x height [mm]	430 x 450 x 44
Weight carton with appliance [lbs]	22.5
Weight carton with appliance [kg]	10.2
Carton size: width x depth x height [in]	24.4 x 23.2 x 7.9
Carton size: width x depth x height [mm]	620 x 590 x 200
Form factor	1U Rack Mount
Hardware	
Display	Yes
Cooling	Fan
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +95
Operating temperature [°C]	0 to +40
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single (standard) Dual hot swap (F20)
Power supply type	Internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	250
Max. power draw @ 120V [Amps.]	5
Max. power draw @ 230V [Amps.]	2.6
Max. heat dissipation [W]	250
Max. heat dissipation [BTU]	1,024
Energy efficiency [average]	> 80%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes
Barracuda rail kit	Optional

[1] Please consult "Available F400 Sub-models" on page 26
[2] Chassis throughput across multiple port pairs
[3] Measured with large packets (MTU1500)
[4] Measured with TCP

Available F400 Sub-models

The F400 standard model is always shipped with a total of 8 RJ45 network ports and single power supply. Other F400 model types provide different port and power supply combinations. Please see list below.

Note:
Network ports are built-in and not replaceable in the field. Spare parts for redundant power supply can be ordered separately.

F400 Model Type	Order No. EMEA / International	Order No. North America
Barracuda NextGen Firewall F400 standard model (8 RJ45 network ports and single power supply) Front Rear	BNGIF400a	BNGF400a
Barracuda NextGen Firewall F400 model F20 (8 RJ45 network ports, 4x1 GbE fibre ports, and dual power supply) Front Rear	BNGIF400a.F20	BNGF400a.F20

Barracuda NextGen Firewall F600

Picture shows Barracuda NextGen Firewall F600 model E20.
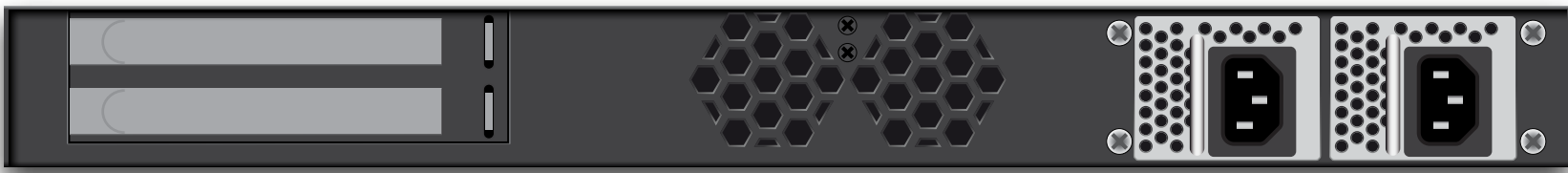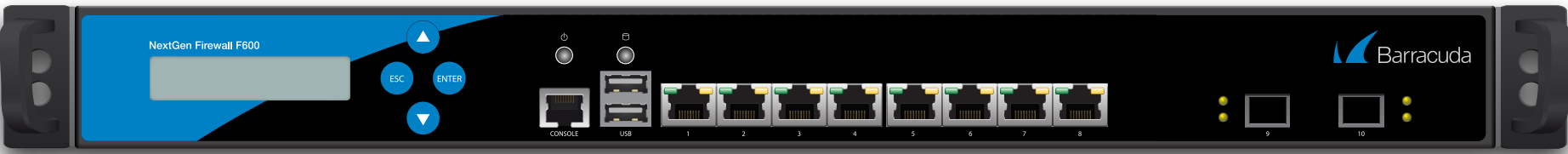
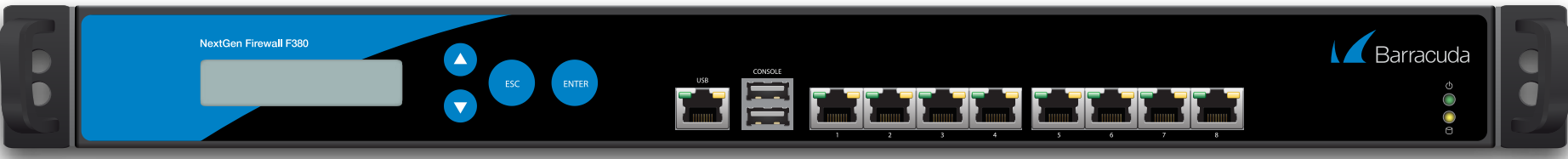| Interface [1]	
Model C10 / C20	12x1 GbE
Model F10 / F20	8x1 GbE Copper & 4x1 GbE SFP
Model E20	8x1 GbE Copper & 2x10 GbE SFP+
USB 2.0	2
Serial / console	1 [RJ45]
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [2,3]	16.3
VPN throughput [AES-128, NOHASH, Gbps] [2]	2.3
VPN throughput [AES-128, MD5, Gbps] [2]	1.7
VPN throughput [AES-128, SHA, Gbps] [2]	1.7
VPN throughput [AES-256, MD5, Gbps] [2]	1.4
IPS throughput [Gbps] [2,3]	5.0
Concurrent sessions	2,100,000
New sessions/s [3,4]	115,000
Memory	
RAM [GB]	8
Mass storage	
Type	SSD
Size [GB] (model Cxx / Fxx)	160
Size [GB] (model Exx)	300
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	17.6
Weight appliance [kg]	8.0
Appliance size: width x depth x height [in]	16.9 x 17.7 x 1.7
Appliance size: width x depth x height [mm]	430 x 450 x 44
Weight carton with appliance [lbs]	26.5
Weight carton with appliance [kg]	12
Carton size: width x depth x height [in]	25.6 x 23.2 x 7.9
Carton size: width x depth x height [mm]	650 x 590 x 200
Form factor	1U Rack Mount
Hardware	
Display	Yes
Cooling	Fan
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +105
Operating temperature [°C]	0 to +40
Storage temperature [°F]	-5 to +140
Storage temperature [°C]	-20 to +60
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single [5] Dual hot swap [6]
Power supply type	Internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	300
Max. power draw @ 120V [Amps.]	5
Max. power draw @ 230V [Amps.]	2.6
Max. heat dissipation [W]	300
Max. heat dissipation [BTU]	1,024
Energy efficiency [average]	> 80%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes
Barracuda rail kit	Yes

[1] Please consult "Available F600 Sub-models" on page 28
[2] Measured with 10GbE fibre ports.
[3] Measured with large packets (MTU1500)
[4] Measured with TCP
[5] Single is the standard power supply for models C10, and F10.
[6] Dual hot swap is the standard power supply for models C20, F20, and E20.
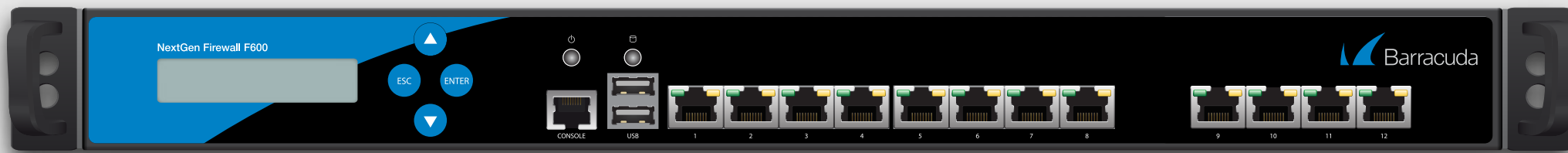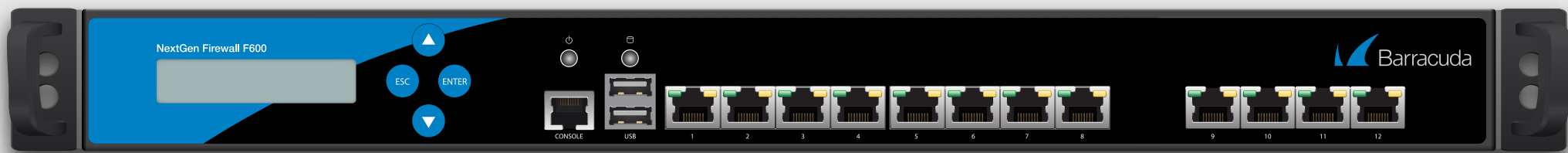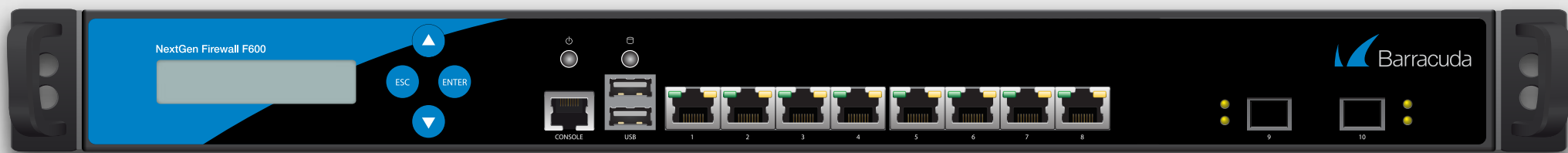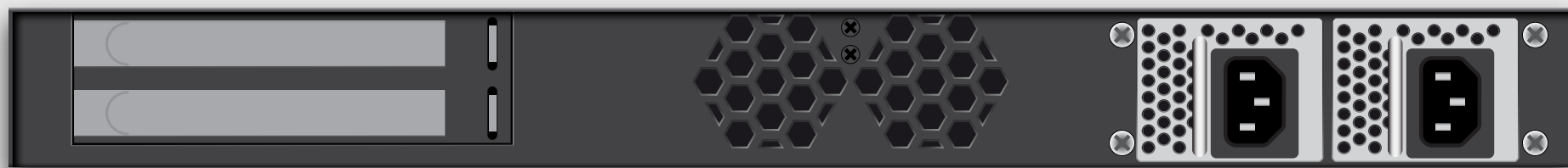
Available F600 Sub-models

The F600 standard model C10 is always shipped with a total of 12 RJ45 network ports and single power supply.

Other F600 model types provide different port and power supply combinations. Please see list below.

Note:
Network ports are built-in and not replaceable in the field. Spare parts for redundant power supply can be ordered separately.

F600 Model Type	Order No. EMEA / International	Order No. North America
Barracuda NextGen Firewall F600 model C10 (12 RJ45 network ports and single power supply) Front Rear	BNGIF600a.C10	BNGF600a.C10
Barracuda NextGen Firewall F600 model C20 (12 RJ45 network ports and dual power supply) Front Rear	BNGIF600a.C20	BNGF600a.C20
Barracuda NextGen Firewall F600 model F10 (8 RJ45 + 4 SFP 1 GbE (fiber) network ports and single power supply) Front Rear	BNGIF600a.F10	BNGF600a.F10
Barracuda NextGen Firewall F600 model F20 (8 RJ45 + 4 SFP 1 GbE (fiber) network ports and dual power supply) Front Rear	BNGIF600a.F20	BNGF600a.F20
Barracuda NextGen Firewall F600 model E20 (8 RJ45 + 2 SFP+ 10 GbE (fiber) network ports and dual power supply) Front Rear	BNGIF600a.E20	BNGF600a.E20

Barracuda NextGen Firewall F800

Picture shows Barracuda NextGen Firewall F800 model CCF.
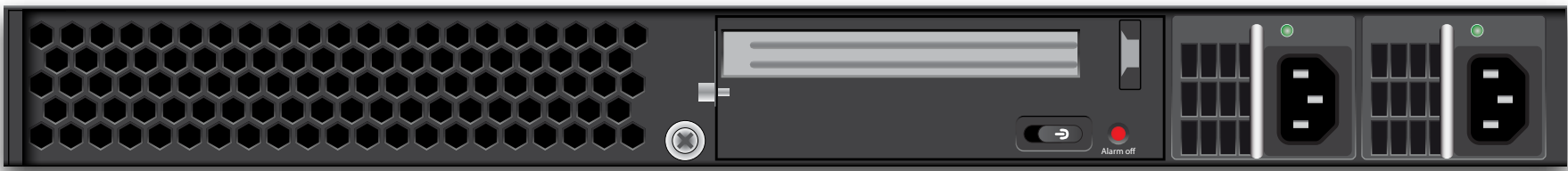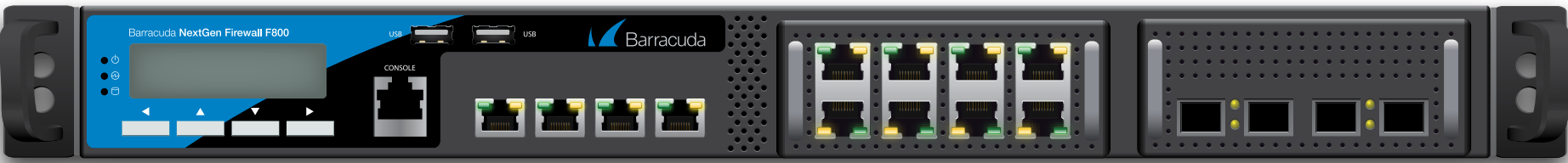
Interface [1]	
Model CCC	20x1 GbE
Model CCF	12x1 GbE Copper & 8x1 GbE SFP
Model CCE	12x1 GbE Copper & 4x10 GbE SFP+
USB 2.0	2
Serial / console	1 [RJ45]
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [2, 3]	19.6
VPN throughput [AES-128, NOHASH, Gbps] [2]	7.3
VPN throughput [AES-128, MD5, Gbps] [2]	5.5
VPN throughput [AES-128, SHA, Gbps] [2]	5.3
VPN throughput [AES-256, MD5, Gbps] [2]	4.2
IPS throughput [Gbps] [2, 3]	6.5
Concurrent sessions	2,500,000
New sessions/s [3, 4]	150,000
Memory	
RAM [GB]	12
Mass storage	
Type	SSD
Size [GB]	300
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	26.0
Weight appliance [kg]	12.0
Appliance size: width x depth x height [in]	17.2 x 22.4 x 1.73
Appliance size: width x depth x height [mm]	440 x 570 x 44
Weight carton with appliance [lbs]	34.2
Weight carton with appliance [kg]	15.5
Carton size: width x depth x height [in]	26.2 x 23.0 x 8.9
Carton size: width x depth x height [mm]	665 x 585 x 225
Form factor	1U Rack Mount
Hardware	
Display	Yes
Cooling	Fan
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+32 to +104
Operating temperature [°C]	0 to +40
Storage temperature [°F]	-4 to +167
Storage temperature [°C]	-20 to +75
Operating humidity (non-condensing)	10% to 85%

| MTBF [system]	
MTBF [yrs.]	> 4
Power & efficiency	
Power supply	Dual hot swap
Power supply type	Internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	2x 400
Max. power draw @ 120V [Amps.]	5
Max. power draw @ 230V [Amps.]	2.6
Max. heat dissipation [W]	400
Max. heat dissipation [BTU]	1,366
Energy efficiency [average]	> 80%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes
Barracuda rail kit	Yes

[1] Please consult "Available F800 Sub-models" on page 30
[2] Measured with 10GbE fibre ports.
[3] Measured with large packets (MTU1500)
[4] Measured with TCP
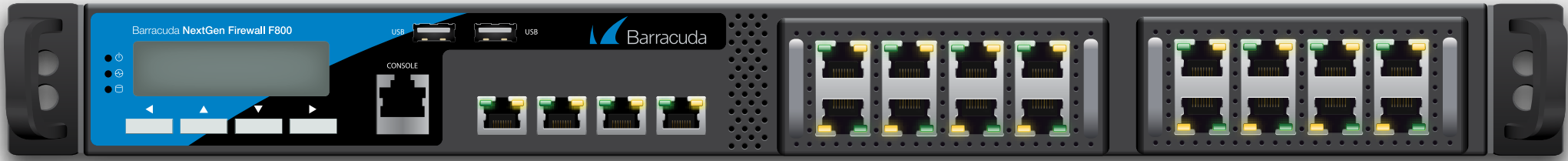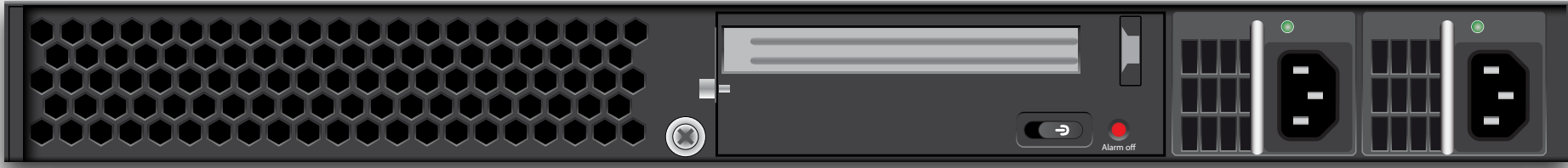
Available F800 Sub-models

The F800 standard model CCC is always shipped with a total of 20x1 GbE network ports and dual power supply.

Other F800 model types provide different port combinations. Please see list below.

Note:
Network port configuration per model type is not changeable. Built-in network modules may be replaced in case of failure. Spare parts for redundant power supply can be ordered separately.

F800 Model Type		Order No. EMEA / International	Order No. North America
Barracuda NextGen Firewall F800 model CCC (20x1 GbE network ports and dual power supply)			
Front		BNGIF800a.CCC	BNGF800a.CCC
Rear			
Barracuda NextGen Firewall F800 model CCF (12x1 GbE copper + 4x1 GbE SFP (fiber) network ports and dual power supply)			
Front		BNGIF800a.CCF	BNGF800a.CCF
Rear			
Barracuda NextGen Firewall F800 model CCE (12x1 GbE + 4x10 GbE SFP+ (fiber) network ports and dual power supply)			
Front		BNGIF800a.CCE	BNGF800a.CCE
Rear			

Barracuda NextGen Firewall F900

Picture shows Barracuda NextGen Firewall F900 model CFE.
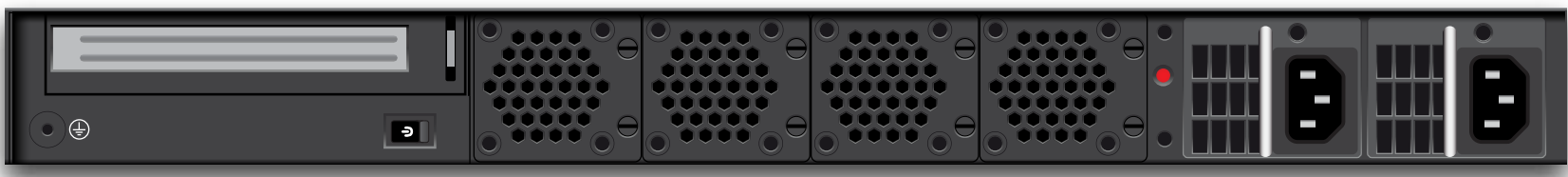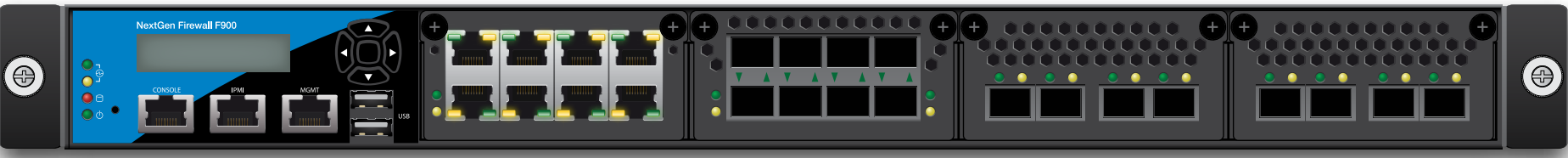
Interface [1]	
Model CCC	32x1 GbE
Model CCE	16x1 GbE Copper & 8x10 GbE SFP+
Model CFE	8x1 GbE Copper & 8x1 GbE SFP & 8x10 GbE SFP+
USB 2.0	2
IPMI	1 [RJ45]
Serial / console	1 [RJ45]
Management	1 [RJ45]

Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [2,3]	35
VPN throughput [AES-128, NOHASH, Gbps] [2]	9.3
VPN throughput [AES-128, MD5, Gbps] [2]	7.7
VPN throughput [AES-128, SHA, Gbps] [2]	6.5
VPN throughput [AES-256, MD5, Gbps] [2]	7.5
IPS throughput [Gbps] [2,3]	11.3
Concurrent sessions	4,000,000
New sessions/s [3,4]	190,000

Memory	
RAM [GB]	32

Mass storage	
Type	SSD
Size [GB] (system / logs, cache)	480
SSD MTBF [hours]	1.200.000

Size, weight, dimensions	
Weight appliance [lbs]	26.0
Weight appliance [kg]	12.0
Appliance size: width x depth x height [in]	17.2 x 22.4 x 1.7
Appliance size: width x depth x height [mm]	440 x 570 x 44
Weight carton with appliance [lbs]	44
Weight carton with appliance [kg]	20
Carton size: width x depth x height [in]	23 x 30.5 x 9
Carton size: width x depth x height [mm]	585 x 775 x 229
Form factor	1U Rack Mount

Hardware	
Display	Yes
Cooling	Fan

Environmental	
Noise emission [db/A]	< 75
Operating temperature [°F]	+32 to +104
Operating temperature [°C]	0 to +40
Storage temperature [°F]	-4 to +167
Storage temperature [°C]	-20 to +75
Operating humidity (non-condensing)	10% to 85%

MTBF [system]	
MTBF [yrs.]	> 4

Power & efficiency	
Power supply	Dual hot swap
Power supply type	Internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	500
Max. power draw @ 120V [Amps.]	8
Max. power draw @ 230V [Amps.]	4
Max. heat dissipation [W]	~ 400
Max. heat dissipation [BTU]	~ 1,366
Energy efficiency [average]	88%

Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes

Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes
Barracuda rail kit	Yes

[1] Please consult "Available F900 Sub-models" on page 32
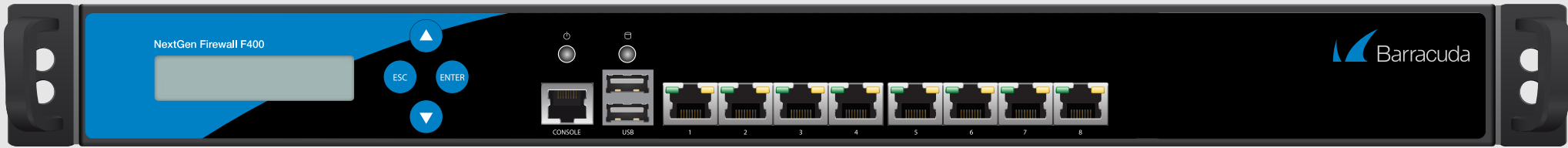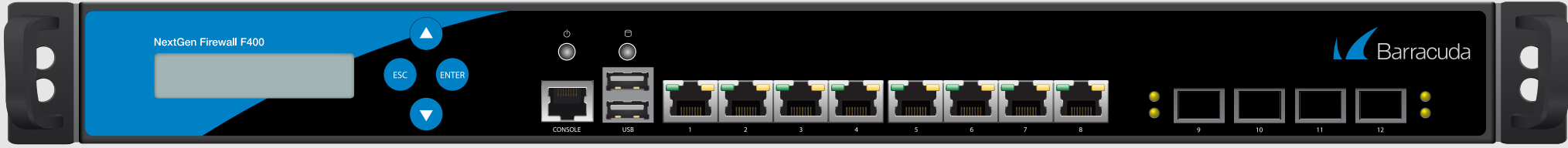[2] Measured with 10GbE fibre ports.
[3] Measured with large packets (MTU1500)
[4] Measured with TCP
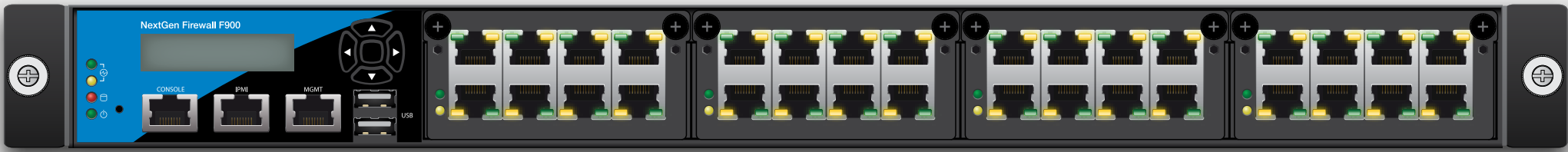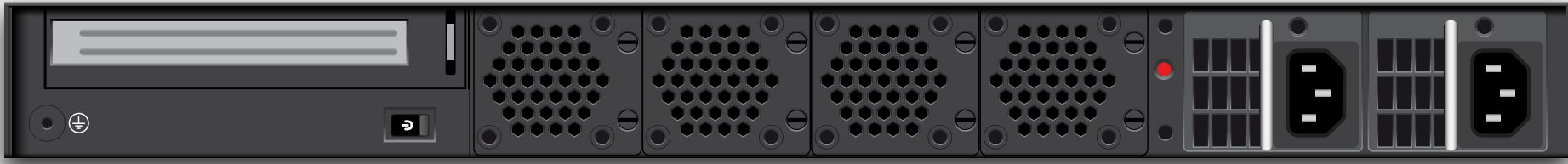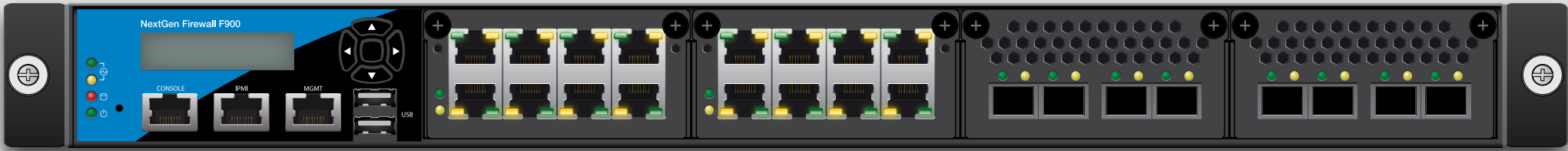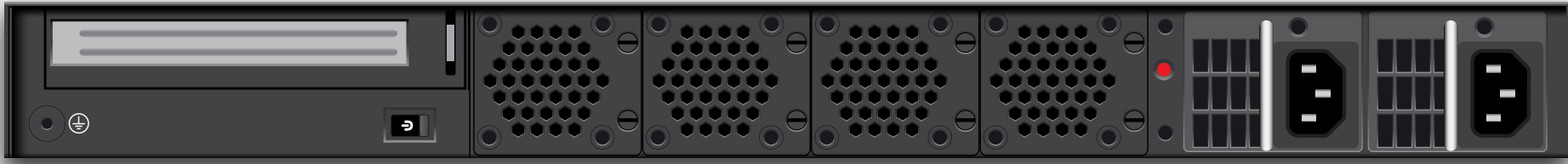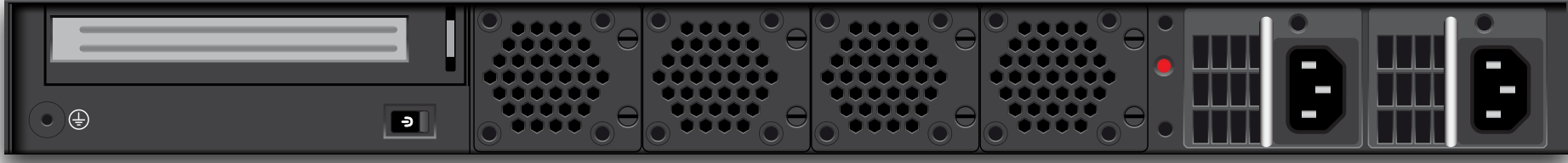
Available F900 Sub-models

The F900 standard model CCC is always shipped with a total of 24x1 GbE network ports and dual power supply.

Other F900 model types provide different port combinations. Please see list below.

Note:
Network port configuration per model type is not changeable. Built-in network modules may be replaced in case of failure. Spare parts for redundant power supply can be ordered separately.

F900 Model Type		Order No. EMEA / International	Order No. North America
Barracuda NextGen Firewall F900 model CCC (32x1 GbE copper network ports)		BNGIF900a.CCC	BNGF900a.CCC
Front			
Rear			
Barracuda NextGen Firewall F900 model CCE (16x1 GbE copper + 8x10 GbE SFP (fiber) network ports)		BNGIF900a.CCE	BNGF900a.CCE
Front			
Rear			
Barracuda NextGen Firewall F900 model CFE (8x1 GbE + 8x1 GbE SFP (fiber) + 8x10 GbE SFP+ (fiber) network ports		BNGIF900a.CFE	BNGF900a.CFE
Front			
Rear			

Barracuda NextGen Firewall F1000

Picture shows Barracuda NextGen Firewall F1000 model CFE.
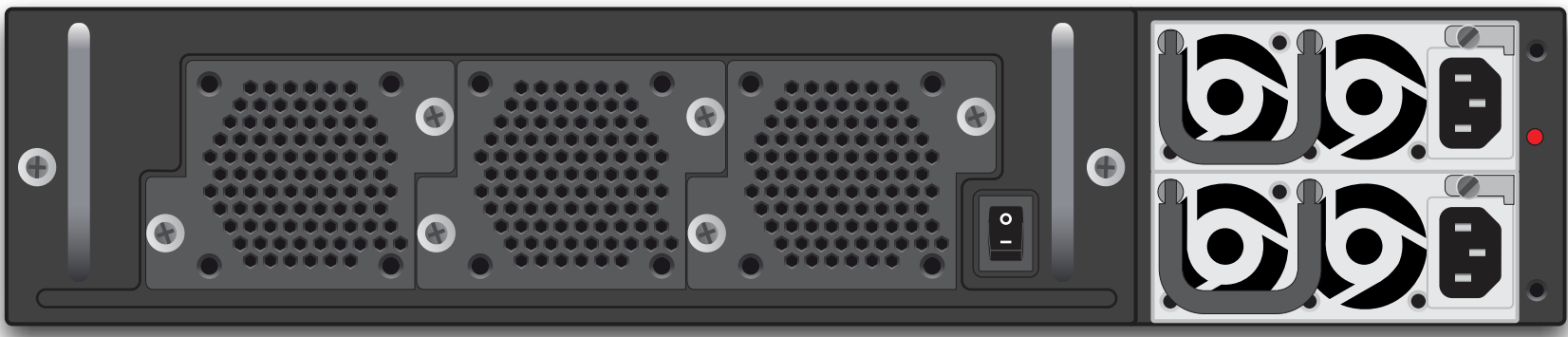
Interface [1]	
Model CE0	16x1 GbE & 4x10 GbE SFP+
Model CE2	32x1 GbE Copper & 8x10 GbE SFP+
Model CFE	16x1 GbE Copper & 16x1 GbE SFP & 8x10 GbE SFP+
USB 2.0	2
IPMI	1 [RJ45]
Serial / console	1 [RJ45]
Performance [as of firmware release 7.0.x]	
Firewall throughput [Gbps] [2, 3]	40
VPN throughput [AES-128, NOHASH, Gbps] [2]	10
VPN throughput [AES-128, MD5, Gbps] [2]	8.6
VPN throughput [AES-128, SHA, Gbps] [2]	8.3
VPN throughput [AES-256, MD5, Gbps] [2]	8.6
IPS throughput [Gbps] [2, 3]	13
Concurrent sessions	10,000,000
New sessions/s [3, 4]	250,000
Memory	
RAM [GB]	24
Mass storage	
Type	SSD
Size [GB]	600
SSD MTBF [hours]	1.200.000
Size, weight, dimensions	
Weight appliance [lbs]	44.1
Weight appliance [kg]	20.0
Appliance size: width x depth x height [in]	17.0 x 24.6 x 3.5
Appliance size: width x depth x height [mm]	432 x 626 x 88
Weight carton with appliance [lbs]	57.3
Weight carton with appliance [kg]	26
Carton size: width x depth x height [in]	23.2 x 34.3 x 11.4
Carton size: width x depth x height [mm]	590 x 870 x 290
Form factor	2U Rack Mount
Hardware	
Display	Yes
Cooling	Fan, hot swap
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +105
Operating temperature [°C]	0 to +40
Storage temperature [°F]	-5 to +170
Storage temperature [°C]	-20 to +75
Operating humidity (non-condensing)	10% to 85%

MTBF [system]	
MTBF [yrs.]	> 4
Power & efficiency	
Power supply	Dual hot swap
Power supply type	Internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	50-60
Auto sense	Yes
Wattage / max. power draw [W]	810
Max. power draw @ 120V [Amps.]	6.8
Max. power draw @ 230V [Amps.]	3.5
Max. heat dissipation [W]	680
Max. heat dissipation [BTU]	2,322
Energy efficiency [average]	> 86%
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Serial cable	Yes
Straight network cable	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes
Barracuda rail kit	Yes

[1]   Please consult "Available F1000 Sub-models" on page 34
[2]   Measured with 10GbE fibre ports.
[3]   Measured with large packets (MTU1500)
[4]   Measured with TCP
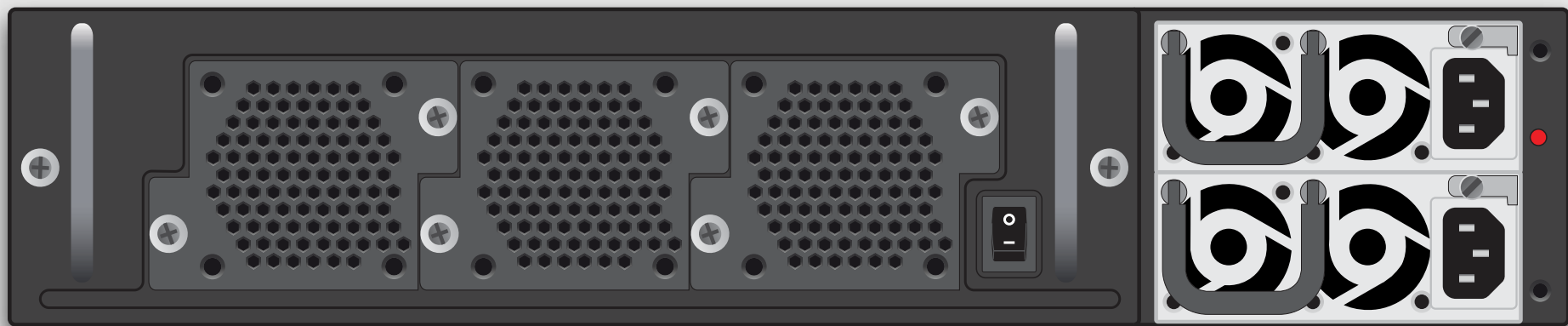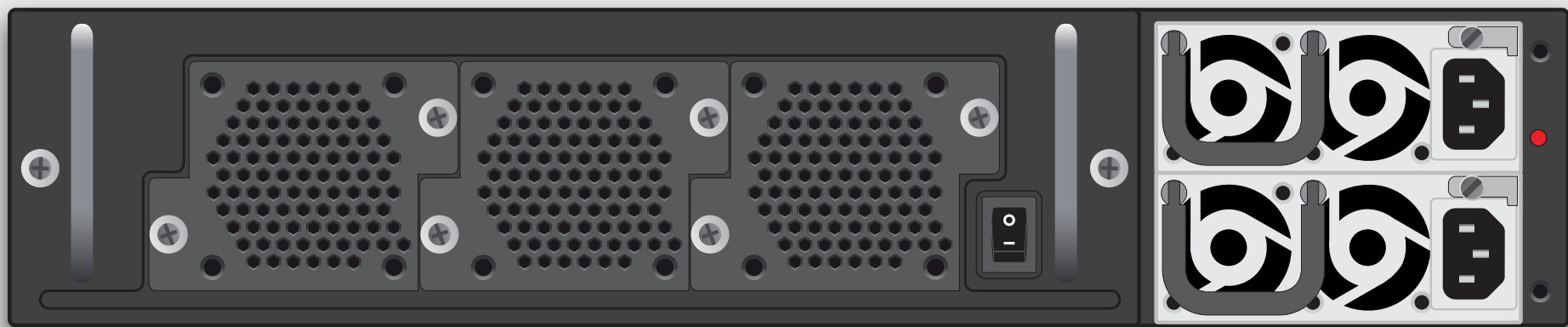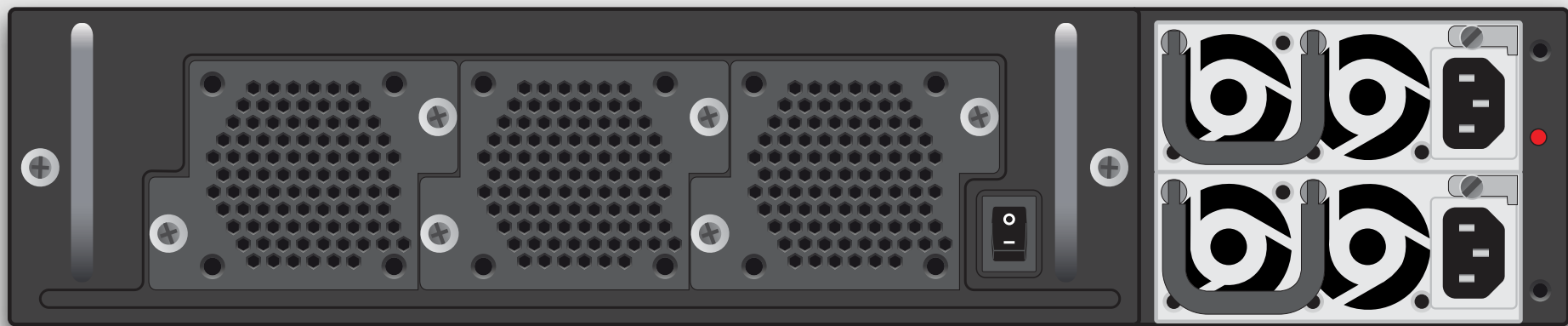
Available F1000 Sub-models

The F1000 standard model CE0 is always shipped with a total of 16 RJ45 network ports and dual power supply. Fans and power supply blocks are hot swappable.

Other F1000 model types provide different port combinations. Please see list below.

Note:

Network port configuration per model type is not changeable. Built-in network modules may be replaced in case of failure. Spare parts for redundant power supply can be ordered separately.

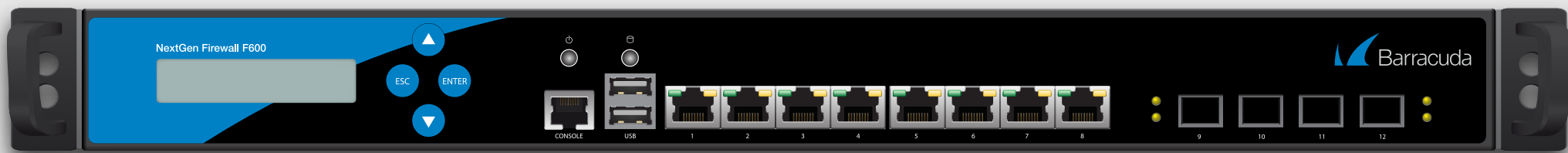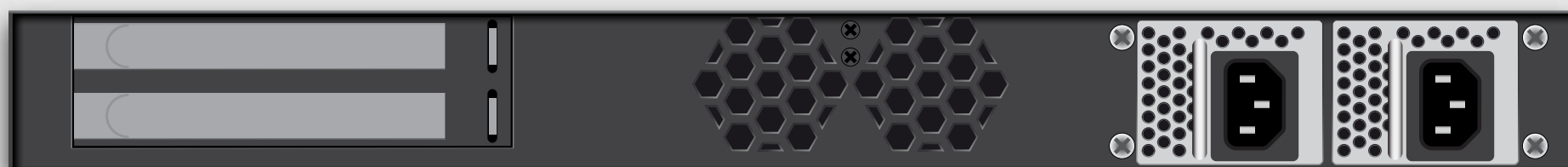| F1000 Model Type	Order No. EMEA / International	Order No. North America
Barracuda NextGen Firewall F1000 model CE0 (24x1 GbE copper network ports) Front Rear	BNGIF1000a.CE0	BNGF1000a.CE0
Barracuda NextGen Firewall F1000 model CE2 (32x1 GbE copper + 8x1 GbE SFP+ (fiber) network ports) Front Rear	BNGIF1000a.CE2	BNGF1000a.CE2
Barracuda NextGen Firewall F1000 model CFE (16x1 GbE + 16x1 GbE SFP (fiber) + 8x10 GbE SFP+ (fiber) network ports) Front Rear	BNGIF1000a.CFE	BNGF1000a.CFE

Barracuda NextGen Control Center C400
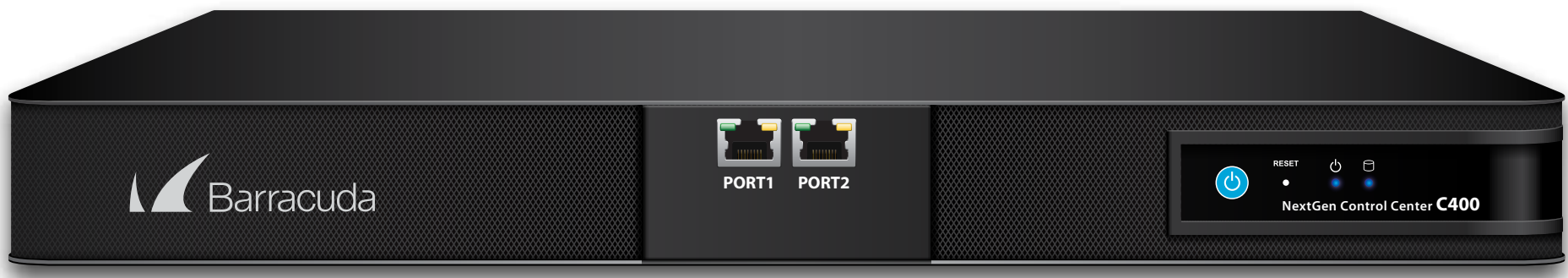
Interface	
Copper Ethernet NICs	2x1 GbE
USB 2.0	4
Serial / console	1 [DB9] / 1 [RJ45]
Memory	
RAM [GB]	2
Mass storage	
Type	HDD
Size [GB]	2x 250
Size, weight, dimensions	
Weight appliance [lbs]	13.1
Weight appliance [kg]	5.9
Appliance size: width x depth x height [in]	16.0 x 16.7 x 1.7
Appliance size: width x depth x height [mm]	406 x 425 x 44
Weight carton with appliance [lbs]	16.4
Weight carton with appliance [kg]	7.5
Carton size: width x depth x height [in]	19.0 x 22.2 x 7.0
Carton size: width x depth x height [mm]	483 x 565 x 178
Form factor	1U Rack Mount
Hardware	
Display	-
Cooling	Fan
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +105
Operating temperature [°C]	0 to +35
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Single
Power supply type	internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	47-63
Auto sense	Yes
Max. power draw @ 120V [Amps.]	1.8
Max. power draw @ 230V [Amps.]	0.9
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes

Barracuda NextGen Control Center C610

Interface	
Copper Ethernet NICs	2x1 GbE
USB 2.0	2
Serial / console	1 [DB9]
Memory	
RAM [GB]	4
Mass storage	
Type	HDD
Size [GB]	4x 500
Redundant Disk Array (RAID)	RAID 5
Size, weight, dimensions	
Weight appliance [lbs]	39.7
Weight appliance [kg]	18
Appliance size: width x depth x height [in]	17.4 x 25.5 x 3.5
Appliance size: width x depth x height [mm]	442 x 648 x 89
Weight carton with appliance [lbs]	62.8
Weight carton with appliance [kg]	28.5
Carton size: width x depth x height [in]	26.8 x 34.3 x 11.3
Carton size: width x depth x height [mm]	680 x 870 x 286
Form factor	2U Rack Mount
Hardware	
Display	-
Cooling	Fan
Environmental	
Noise emission [db/A]	N/A
Operating temperature [°F]	+30 to +105
Operating temperature [°C]	0 to +40
Storage temperature [°F]	-5 to +160
Storage temperature [°C]	-20 to +70
Operating humidity (non-condensing)	5% to 95%

MTBF [system]	
MTBF [yrs.]	> 5
Power & efficiency	
Power supply	Dual
Power supply type	internal
Power type [AC/DC]	AC
Input rating [Volts]	100-240
Input frequency [Hz]	47-63
Auto sense	Yes
Max. power draw @ 120V [Amps.]	4.1
Max. power draw @ 230V [Amps.]	2.1
Certifications & compliance	
CE emissions	Yes
CE electrical safety	Yes
FCC emissions	Yes
ROHS compliant	Yes
Packaging content	
Appliance	Yes
Direct power to wall outlet	Yes
USB flash drive for recovery & installation	Yes
Quick start guide	Yes
2x Barracuda L-shape rack mount bracket	Yes

Barracuda **NextGen Firewall F**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000
Built-in WiFi option		●	●	●						
Spare power supply unit for sub-models with dual power supply						○	○			
Maintenance kit (two fans & one power supply unit)										○
Wall mount bracket (2x)	●	●	●	●						
L-shape rack mount bracket (2x)	○	○	●	●	●	●	●	●	●	●
Rail kit					○	○	●	●	●	●
3G modem	○	○	○	○	○	○	○	○	○	○

○ optional   ● included

Built-in Wi-Fi Option

The Barracuda NextGen Firewall appliances
F80, F180, and F280 offer built-in Wi-Fi.

Item	Specification
Standards	802.11b/g/n
Operating Frequency	802.11b/g/n ISM Band: 2.412 ~ 2.4835 GHz
Modulation	802.11b: DSSS (DBPSK, DQPSK, CCK)
	802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
	802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Output Power	802.11b: 17dBm ± 2dBm
	802.11g: 16dBm ± 2dBm
	802.11gn HT20: 15dBm ± 2dBm@MCS7
	802.11gn HT40: 14dBm ± 2dBm@MCS7
Receive Sensitivity	802.11b: ≤ -85dBm@11Mbps
	802.11g: ≤ -76dBm@54Mbps
	802.11gn HT20: ≤ -75dBm@MCS7
	802.11gn HT40: ≤ -72dBm@MCS7
Wireless security	64/128-bits WEP
	WPA
	WPA2

Spare Power Supply Unit

The spare power supply unit is available for F400.
F20, F600.C20, F600.F20, and F600.E20 sub-
models with standard dual power supply.

Maintenance Kit

The maintenance kit for model F1000 consists
of two fans and one power supply unit.

Barracuda Wall Mount Bracket

The Barracuda wall mount bracket allows mounting Barracuda NextGen Firewalls F18, F80, F180, and F280 on a wall or similar.
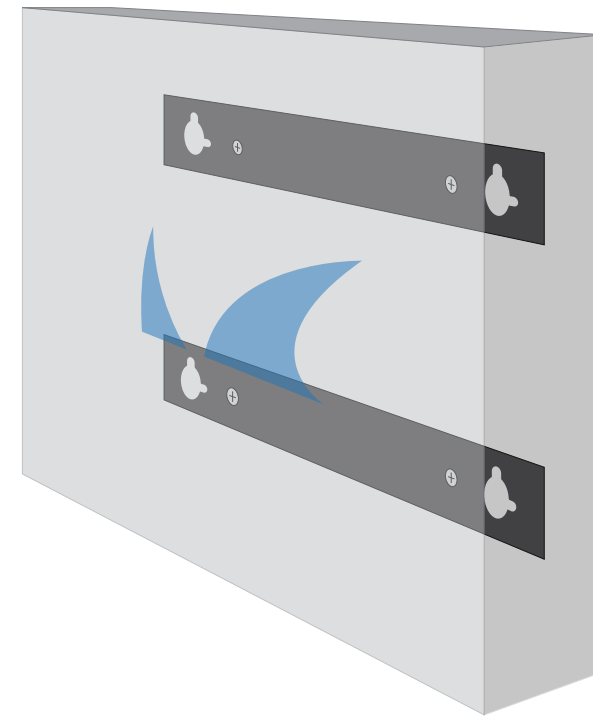
Barracuda L-shape Rack Mount Bracket

The L-Shape rack mount brackets are used for mounting desktop models in 1U Standard 19" rack slots. For Barracuda NextGen Firewall F18 and F80 the brackets are an optional item and, thus, to be ordered separately. For models F180 and F280 the L-shape brackets are included in packaging.
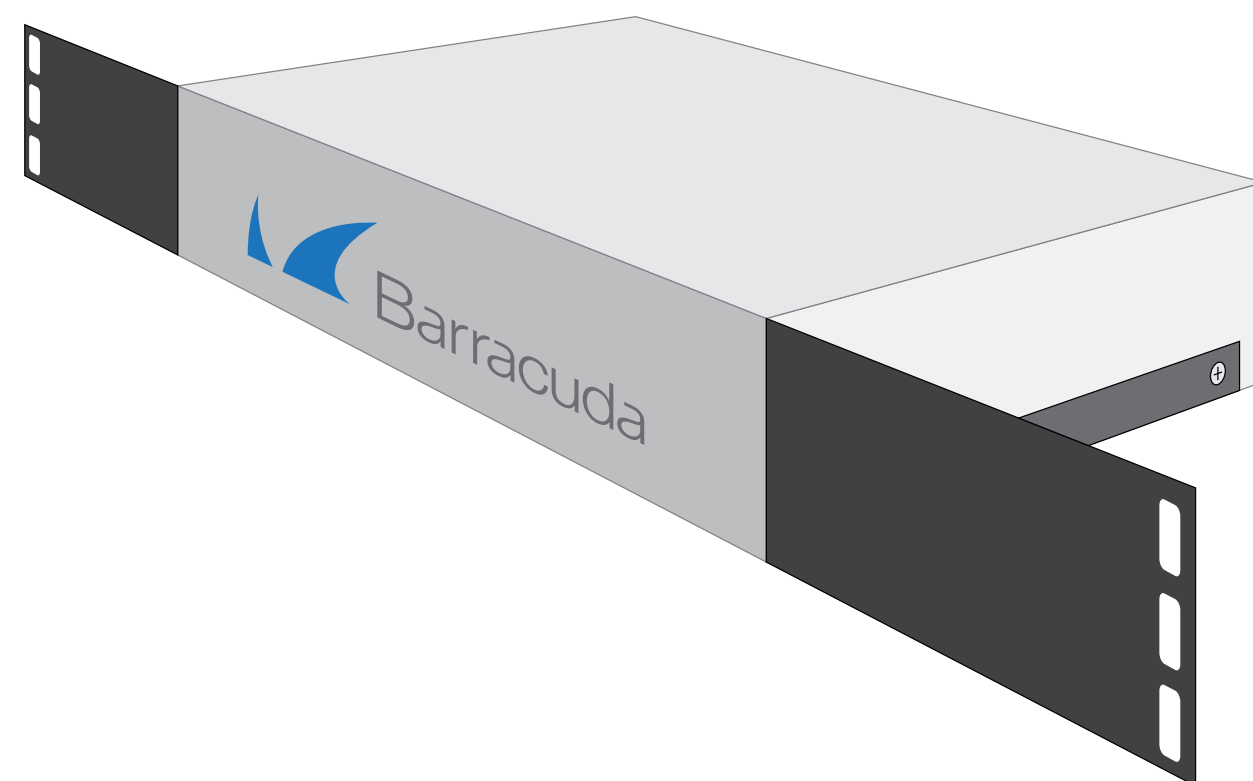
Barracuda 3G modem [USB]

The 3G modem provides support for wireless third generation broadband communication using 3G/UMTS/HSDPA/HSUPA technologies thus providing bandwidths of up to 7.2 Mbps. Especially for remote sites the 3G modem is a cost effective, rapidly deployable and ultra-reliable WAN backup solution which can protect businesses and organisations against outages caused by accidental cable or fiber link cuts during construction, moves or maintenance work.

Who can benefit from the Barracuda 3G modem?

• Enterprises looking for a cost effective secondary link in order to quickly increase total overall bandwidth and to reduce traffic volume on the primary link
• Enterprises relying on high quality WAN backup and WAN connectivity for business critical traffic
• Branch offices and remote sites looking for a cost effective alternative to earth bound uplinks
• Branch offices and remote sites looking to bridge the gap until cable connections become available
• Branch offices and remote sites residing in areas without a good selection of affordable or reliable Internet uplinks
• Construction sites, retail, rapid deployments and portable businesses requiring quick access to Internet connectivity

Note:
Barracuda Networks cannot guarantee signal reception. In case your server rooms are located in a basement or in a place with insufficient signal reception make sure that the signal quality is sufficient, especially prior to purchasing large quantities. The SIM card is not included and has to be obtained independently through a mobile phone provider.

Virtual versions of Barracuda's hardware appliance-based solutions

As organizations have adopted virtualization for their server infrastructures, there has been a corresponding trend to extend the benefits of virtualization to the security layer. The Barracuda NextGen Firewall F Vx provides the same powerful technology, comprehensive features, and ease-of-use found in a Barracuda NextGen Firewall F hardware appliance. It is ideally suited for organizations that are standardizing hardware platforms or deploying virtual environments.

Beyond its powerful network firewall, IPS, and VPN technologies, Barracuda NextGen Firewall F Vx integrates a comprehensive set of next-generation firewall technologies, including Application Control, availability, and traffic flow optimization across the wide area network, web filtering, antivirus, anti-spam, and network access control enforcement.

Note:

For more details on Barracuda Virtual Appliances, please visit barracuda.com/solutions/virtual.

All virtual editions are available for:

vmware®   Microsoft Hyper-V   **KVM**   **Xen™**

Barracuda NextGen Firewall F

For more details, please click here...

F-Series Vx Editions	VF10	VF25	VF50	VF100	VF250	VF500	VF1000	VF2000	VF4000	VF8000
Capacity										
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
Available Subscriptions										
Malware Protection	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Threat Detection	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Premium Remote Access	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Barracuda NextGen Firewall F **Firewall**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Stateful packet forwarding (per rule)	●	●	●	●	●	●	●	●	●	●	●
Transparent proxy (TCP; per rule)	●	●	●	●	●	●	●	●	●	●	●
Inline graphical packet analyser	●	●	●	●	●	●	●	●	●	●	●
NAT (src, dst, nets), PAT	●	●	●	●	●	●	●	●	●	●	●
Policy-based NAT (per rule)	●	●	●	●	●	●	●	●	●	●	●
Protocol support (IPv4, IPv6 [1])	●	●	●	●	●	●	●	●	●	●	●
Gigabit performance	●	●	●	●	●	●	●	●	●	●	●
Object oriented rule set	●	●	●	●	●	●	●	●	●	●	●
Virtual rule sets	●	●	●	●	●	●	●	●	●	●	●
Virtual rule test environment	●	●	●	●	●	●	●	●	●	●	●
Realtime connection status	●	●	●	●	●	●	●	●	●	●	●
Historical access caches	●	●	●	●	●	●	●	●	●	●	●
Event triggered notification	●	●	●	●	●	●	●	●	●	●	●
Load balancing for protected servers	●	●	●	●	●	●	●	●	●	●	●
Multipath load balancing	●	●	●	●	●	●	●	●	●	●	●
Firewall-to-firewall compression (stream & packet compression)	●	●	●	●	●	●	●	●	●	●	●
Dynamic rules with timer triggered deactivation (per rule)	●	●	●	●	●	●	●	●	●	●	●
Bridging mode / routing mode (mixed)	●	●	●	●	●	●	●	●	●	●	●
Virtual IP (proxyARP) support	●	●	●	●	●	●	●	●	●	●	●
Transparent IP to user mapping	●	●	●	●	●	●	●	●	●	●	●
User authentication	x.509, Microsoft® NTLM, RADIUS, RSA SecurID, LDAP/LDAPS, Microsoft® Active Directory®, TACACS+, local										
RPC protocol support (ONC-RPC, DCE-RPC)	●	●	●	●	●	●	●	●	●	●	●
VoIP support (H.323, SIP, SCCP (skinny))	●	●	●	●	●	●	●	●	●	●	●
DHCP relaying with packet loop protection and configurable agent-ID policy	●	●	●	●	●	●	●	●	●	●	●
Standby mode	Active-Active (with external load balancer only) and Active-Passive										
Network notification on failover	●	●	●	●	●	●	●	●	●	●	●
Key-based authentication	●	●	●	●	●	●	●	●	●	●	●
Encrypted HA communication	●	●	●	●	●	●	●	●	●	●	●
Provider/link failover	●	●	●	●	●	●	●	●	●	●	●
Transparent failover without session loss	●	●	●	●	●	●	●	●	●	●	●

[1] IPv6 firewall forwarding traffic, IPS, and Application Control.

Barracuda NextGen Firewall F **Application Control**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Deep Packet Inspection	●	●	●	●	●	●	●	●	●	●	●
Application Behavior Analysis	●	●	●	●	●	●	●	●	●	●	●
Thousands of applications and protocols supported (Skype, BitTorrent, etc.)	●	●	●	●	●	●	●	●	●	●	●
Social Media Application Support (Facebook, Google+, etc.)	●	●	●	●	●	●	●	●	●	●	●
Media Streaming Application Support (YouTube, Netflix, etc.)	●	●	●	●	●	●	●	●	●	●	●
Proxy and Anonymizer Detection (Hide Me, Cyberghost, etc.)	●	●	●	●	●	●	●	●	●	●	●
Application Objects based on Category, Risk, Properties and Popularity	●	●	●	●	●	●	●	●	●	●	●
Predefined Categories such as Business, Conferencing, Instant Messaging, Media Streaming, etc.	●	●	●	●	●	●	●	●	●	●	●
Inspection of SSL encrypted traffic	●	●	●	●	●	●	●	●	●	●	●
Filtering of SSL encrypted traffic	●	●	●	●	●	●	●	●	●	●	●
Creation of Customized Applications	●	●	●	●	●	●	●	●	●	●	●
Deep Application Context	●	●	●	●	●	●	●	●	●	●	●
Google SafeSearch enforcement	●	●	●	●	●	●	●	●	●	●	●
Google Accounts Enforcement	●	●	●	●	●	●	●	●	●	●	●
Application Based Provider Selection	●	●	●	●	●	●	●	●	●	●	●
Bandwidth and QoS Assignment	●	●	●	●	●	●	●	●	●	●	●
Application Logging	●	●	●	●	●	●	●	●	●	●	●
Application Blocking	●	●	●	●	●	●	●	●	●	●	●
Application Monitor and Drill-Down Function	●	●	●	●	●	●	●	●	●	●	●
Reporting	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **Intrusion Prevention System**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Inline Intrusion Prevention	●	●	●	●	●	●	●	●	●	●	●
Generic pattern filter	●	●	●	●	●	●	●	●	●	●	●
Active ARP handling	●	●	●	●	●	●	●	●	●	●	●
SYN / DoS / DDoS attack protection	●	●	●	●	●	●	●	●	●	●	●
Reverse routing path check	●	●	●	●	●	●	●	●	●	●	●
ICMP flood ping protection	●	●	●	●	●	●	●	●	●	●	●
Malformed packet check	●	●	●	●	●	●	●	●	●	●	●
TCP split handshake protection	●	●	●	●	●	●	●	●	●	●	●
TCP stream segmentation check	●	●	●	●	●	●	●	●	●	●	●
URL obfuscation check	●	●	●	●	●	●	●	●	●	●	●
FTP evasion check	●	●	●	●	●	●	●	●	●	●	●
RPC defragmentation check	●	●	●	●	●	●	●	●	●	●	●
HTML decoding	●	●	●	●	●	●	●	●	●	●	●
HTML decompression	●	●	●	●	●	●	●	●	●	●	●
SMB & NetBios Evasion Protection	●	●	●	●	●	●	●	●	●	●	●
Regular online pattern updates	●	●	●	●	●	●	●	●	●	●	●
IPS exception (whitelisting)	●	●	●	●	●	●	●	●	●	●	●
IPS exceptions based on											
Source / Destination	●	●	●	●	●	●	●	●	●	●	●
Port & Port Range	●	●	●	●	●	●	●	●	●	●	●
Signature / CVE	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **Malware Protection**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Single-Pass Mode	●	●	●	●	●	●	●	●	●	●	●[2]
Proxy Mode	●	●	●	●	●	●	●	●	●	●	●[2]
Configurable archive recursion depth	●	●	●	●	●	●	●	●	●	●	●[2]
Quarantine functionality for proxy	●	●	●	●	●	●	●	●	●	●	●[2]
Configurable unknown archive policy	●	●	●	●	●	●	●	●	●	●	●[2]
Configurable maximum archive size	●	●	●	●	●	●	●	●	●	●	●[2]
Archiver package support	●	●	●	●	●	●	●	●	●	●	●[2]
Office file-types support	●	●	●	●	●	●	●	●	●	●	●[2]
Proactive detection of new threats	●	●	●	●	●	●	●	●	●	●	●[2]
Advanced heuristics detection techniques	●	●	●	●	●	●	●	●	●	●	●[2]
Number of signatures					Hundreds of thousands [2]						
Frequency of signature updates					Multiple updates per day [2]						
Dynamic, on-demand analysis of malware programs (sandbox)	●	●	●	●	●	●	●	●	●	●	●[2]

[2]　Does not apply for virtual model VF10.

Barracuda NextGen Firewall F **Advanced Threat Detection**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Supported file types											
Microsoft executables (exe, msi, dll)	●	●	●	●	●	●	●	●	●	●	●[2]
Adobe PDF documents	●	●	●	●	●	●	●	●	●	●	●[2]
Android APK files	●	●	●	●	●	●	●	●	●	●	●[2]
ZIP archives	●	●	●	●	●	●	●	●	●	●	●[2]
RAR archives	●	●	●	●	●	●	●	●	●	●	●[2]
Supported protocols											
HTTP	●	●	●	●	●	●	●	●	●	●	●[2]
HTTPS	●	●	●	●	●	●	●	●	●	●	●[2]
FTP	●	●	●	●	●	●	●	●	●	●	●[2]
SMTP	●	●	●	●	●	●	●	●	●	●	●[2]
SMTPS	●	●	●	●	●	●	●	●	●	●	●[1]
Dynamic analysis of documents with embedded exploits (PDF, Office, etc.)	●	●	●	●	●	●	●	●	●	●	●[2]
Detailed forensics for both, malware binaries, and web threats (exploits)	●	●	●	●	●	●	●	●	●	●	●[2]
High resolution malware analysis (monitoring, execution from the inside)	●	●	●	●	●	●	●	●	●	●	●[2]
Support for multiple operating systems (Windows, Android, etc.)	●	●	●	●	●	●	●	●	●	●	●[2]
Flexible malware analysis in the cloud	●	●	●	●	●	●	●	●	●	●	●[2]

[2] Does not apply for virtual model VF10.

Barracuda NextGen Firewall F **Barracuda Web Filter**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Black lists/White lists (per rule)	●	●	●	●	●	●	●	●	●	●	●[2]
Filter categories						95 [2]					
Temporal constraints	●	●	●	●	●	●	●	●	●	●	●[2]
User specific / group specific restrictions	●	●	●	●	●	●	●	●	●	●	●[2]
Cached online category database	●	●	●	●	●	●	●	●	●	●	●[2]
Local update interval						N/A					
Online update interval						continuously [2]					
Customizable block pages	●	●	●	●	●	●	●	●	●	●	●[2]

[2] Does not apply for virtual model VF10.

Barracuda NextGen Firewall F **Traffic Intelligence**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Traffic shaping (incl. inside VPN tunnels)	●	●	●	●	●	●	●	●	●	●	●
Distribution of site-to-site VPN tunnels across up to 24 simultaneous uplinks	●	●	●	●	●	●	●	●	●	●	●
Quality of Service (QoS)	●	●	●	●	●	●	●	●	●	●	●
Automatic backup uplink activation	●	●	●	●	●	●	●	●	●	●	●
Automatic activation of alternate QoS policy upon main WAN failure and backup uplink activation	●	●	●	●	●	●	●	●	●	●	●
Firewall compression	●	●	●	●	●	●	●	●	●	●	●
VPN compression	●	●	●	●	●	●	●	●	●	●	●
Data deduplication	●	●	●	●	●	●	●	●	●	●	●
Link aggregation	●	●	●	●	●	●	●	●	●	●	●
Maximum overall bandwidth per interface	●	●	●	●	●	●	●	●	●	●	●
On-the-fly reprioritization via firewall status GUI	●	●	●	●	●	●	●	●	●	●	●
Ingress shaping per interface	●	●	●	●	●	●	●	●	●	●	●
Application-specific bandwidth assignment	●	●	●	●	●	●	●	●	●	●	●
Application-based provider selection	●	●	●	●	●	●	●	●	●	●	●
URL-filter-category specific provider selection	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **Routing & Networking**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
HA capable with transparent session failover	●	●	●	●	●	●	●	●	●	●	●
GbE ethernet support	●	●	●	●	●	●	●	●	●	●	●
Max number of physical interfaces	4	4	6	6	8	12	12	20	24	40	n/a
Integrated switch	-	-	8-port	8-port	-	-	-	-	-	-	n/a
802.1q VLAN support	●	●	●	●	●	●	●	●	●	●	●
xDSL support (PPPoE, PPTP (multi-link))	●	●	●	●	●	●	●	●	●	●	●
DHCP client support	●	●	●	●	●	●	●	●	●	●	●
ISDN support (EuroISDN (syncppp, rawip))	●	●	●	●	-	-	-	-	-	-	-
Link monitoring (DHCP, xDSL, ISDN)	●	●	●	●	●	●	●	●	●	●	●
Policy routing support	●	●	●	●	●	●	●	●	●	●	●
Ethernet channel bonding	●	●	●	●	●	●	●	●	●	●	●
Multiple networks on interface, IP aliases	●	●	●	●	●	●	●	●	●	●	●
Multiple provider / WAN link support	●	●	●	●	●	●	●	●	●	●	●
Configurable MTU size (per route)	●	●	●	●	●	●	●	●	●	●	●
Jumbo Frames (up to 9,000 bytes)	●	●	●	●	●	●	●	●	●	●	●
IPinIP and GRE tunnels	●	●	●	●	●	●	●	●	●	●	●
PPTP	●	●	●	●	●	●	●	●	●	●	●
BGP	●	●	●	●	●	●	●	●	●	●	●
Dynamic VPN routing	●	●	●	●	●	●	●	●	●	●	●
Dynamic routing (BGP, OSPF, RIP)	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **VPN**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Encryption support	AES-128/256, 3DES/ DES, CAST, Blowfish, Null										
Private CA (up to 4,096 bit RSA)	●	●	●	●	●	●	●	●	●	●	●
External PKI support	●	●	●	●	●	●	●	●	●	●	●
x.509v3 policy extensions (Fully recognized)	●	●	●	●	●	●	●	●	●	●	●
Certificate revocation (OCSP, CRL)	●	●	●	●	●	●	●	●	●	●	●
Site-to-site VPN with traffic intelligence	●	●	●	●	●	●	●	●	●	●	●
Dynamic mesh VPN	●	●	●	●	●	●	●	●	●	●	●
WAN traffic compression via data deduplication	●	●	●	●	●	●	●	●	●	●	●
Star (hub and spoke) VPN network topology	●	●	●	●	●	●	●	●	●	●	●
Client VPN	●	●	●	●	●	●	●	●	●	●	●
Microsoft® domain logon (Pre-logon)	●	●	●	●	●	●	●	●	●	●	●
Strong user authentication	●	●	●	●	●	●	●	●	●	●	●
Replay protection	●	●	●	●	●	●	●	●	●	●	●
NAT traversal	●	●	●	●	●	●	●	●	●	●	●
HTTPS and SOCKS proxy compatible	●	●	●	●	●	●	●	●	●	●	●
Redundant VPN gateways	●	●	●	●	●	●	●	●	●	●	●
Native IPsec for third-party connectivity	●	●	●	●	●	●	●	●	●	●	●
PPTP/L2TP (IPsec; client VPN only)	●	●	●	●	●	●	●	●	●	●	●
Dynamic routing (OSPF, BGP) over VPN	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **System Management**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Central management	●	●	●	●	●	●	●	●	●	●	●
Local management	●	●	●	●	●	●	●	●	●	●	●
Comprehensive GUI-based configuration management	●	●	●	●	●	●	●	●	●	●	●
Command-line interface (CLI) available	●	●	●	●	●	●	●	●	●	●	●
SSH-based access	●	●	●	●	●	●	●	●	●	●	●
Multiple administrators	●	●	●	●	●	●	●	●	●	●	●
Role-based administrators	●	●	●	●	●	●	●	●	●	●	●
Real-time accounting and visualization	●	●	●	●	●	●	●	●	●	●	●
Easy roll-out and recovery	●	●	●	●	●	●	●	●	●	●	●
USB installation and recovery	●	●	●	●	●	●	●	●	●	●	●
Full life-cycle management	●	●	●	●	●	●	●	●	●	●	●
In-band management	●	●	●	●	●	●	●	●	●	●	●
Dedicated management interface	●	●	●	●	●	●	●	●	●	●	●
Serial interfaces	●	●	●	●	●	●	●	●	●	●	●
Central management interface	●	●	●	●	●	●	●	●	●	●	●
All management via VPN tunnel	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **Logging/Monitoring/Accounting**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
System health, activity monitoring	●	●	●	●	●	●	●	●	●	●	●
Human readable log files	●	●	●	●	●	●	●	●	●	●	●
Statistics	-	-	●	●	●	●	●	●	●	●	●
Active event notification					Email/SNMP trap						
Real-time accounting and reporting	●	●	●	●	●	●	●	●	●	●	●
Syslog streaming (fully GUI configurable)	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **Additional Functions**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
SNMP queries	●	●	●	●	●	●	●	●	●	●	●
SMS control	●	●	●	●	●	●	●	●	●	●	●
NTP4 time server and clients	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **DNS**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Multi-domain support	●	●	●	●	●	●	●	●	●	●	●
DNS operation types					Master, slave, forwarder, cacher						
DNS doctoring	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **SSH-Gateway**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Termination of SSHv2 terminal access sessions (not supported: remote execution/secure copy/secure FTP)	●	●	●	●	●	●	●	●	●	●	●[2]
Central user authentication				MSNT, MSAD, LDAP, RADIUS, RSA-ACE, TACACS+ [2]							
User specific / group specific restrictions	●	●	●	●	●	●	●	●	●	●	●[2]
Public key authentication on target system	●	●	●	●	●	●	●	●	●	●	●[2]
Session / activity tracing	●	●	●	●	●	●	●	●	●	●	●[2]
Customizable login greeting text	●	●	●	●	●	●	●	●	●	●	●[2]

[2]   Does not apply for virtual model VF10.

Barracuda NextGen Firewall F **DHCP**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
DHCP server	●	●	●	●	●	●	●	●	●	●	●
DHCP relay	●	●	●	●	●	●	●	●	●	●	●
Lease DB visualization & management	●	●	●	●	●	●	●	●	●	●	●
Multi-homing, multi-netting	●	●	●	●	●	●	●	●	●	●	●
Class-based filtering	●	●	●	●	●	●	●	●	●	●	●
Dynamic DNS support	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **FTP Gateway**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Restrict active/passive data transfer	-	-	●	●	●	●	●	●	●	●	●[2]
Restrict non-RFC FTP commands	-	-	●	●	●	●	●	●	●	●	●[2]
Full integration with malware protection	-	-	●	●	●	●	●	●	●	●	●[2]
Buffer overflow protection	-	-	●	●	●	●	●	●	●	●	●[2]
Central user authentication	-	-	MSNT, MSAD, LDAP, Radius, RSA-ACE, TACACS+ [2]								
Customizable login greeting text	-	-	●	●	●	●	●	●	●	●	●[2]
User / Group specific restrictions	-	-	●	●	●	●	●	●	●	●	●[2]
Destination redirection / specific restrictions	-	-	●	●	●	●	●	●	●	●	●[2]
Time restrictions	-	-	●	●	●	●	●	●	●	●	●[2]
Deny file/directory download	-	-	●	●	●	●	●	●	●	●	●[2]
Deny file/directory modifications	-	-	●	●	●	●	●	●	●	●	●[2]
Deny specific file extensions	-	-	●	●	●	●	●	●	●	●	●[2]
Activity visualization & reporting	-	-	●	●	●	●	●	●	●	●	●[2]
Advanced Threat Detection for FTP	optional [2]										

[2]   Does not apply for virtual model VF10.

Barracuda NextGen Firewall F **Mail Security**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Supported protocols	SMTP, SMTP with StartTLS, SMTPS [2]										
SSL Interception	●	●	●	●	●	●	●	●	●	●	●[2]
DNS blacklist	●	●	●	●	●	●	●	●	●	●	●[2]
Antivirus for email	optional [2]										
Advanced Threat Detection for email	optional [2]										

[2]   Does not apply for virtual model VF10.

Barracuda NextGen Firewall F **Spam Filter**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Visualization of mail activity backlog	-	-	●	●	●	●	●	●	●	●	●[2]
Spool-queue synchronization for HA	-	-	●	●	●	●	●	●	●	●	●[2]
Restrictable mail reception	-	-	●	●	●	●	●	●	●	●	●[2]
Configurable maximum mail data size	-	-	●	●	●	●	●	●	●	●	●[2]
Configurable maximum number of mail recipients	-	-	●	●	●	●	●	●	●	●	●[2]
Support for external virus scanning	-	-	●	●	●	●	●	●	●	●	●[2]
Activity visualization & reporting	-	-	●	●	●	●	●	●	●	●	●[2]
Mail delivery	-	-	Explicit, MX [2]								
Accept policies	-	-	●	●	●	●	●	●	●	●	●[2]
Recipient database	-	-	●	●	●	●	●	●	●	●	●[2]
Configurable block criteria (host, subject, sender, recipient)	-	-	●	●	●	●	●	●	●	●	●[2]
Attachment and/or header stripping	-	-	●	●	●	●	●	●	●	●	●[2]
Subject rewriting	-	-	●	●	●	●	●	●	●	●	●[2]
Cloning	-	-	●	●	●	●	●	●	●	●	●[2]
Grey listing	-	-	●	●	●	●	●	●	●	●	●[2]
Supports a scripting language for configuration	-	-	●	●	●	●	●	●	●	●	●[2]
Subject modification on spam	-	-	●	●	●	●	●	●	●	●	●[2]
White lists / black lists	-	-	●	●	●	●	●	●	●	●	●[2]
Online tests	-	-	DCC, RBL [2]								
Auto learning / training	-	-	●	●	●	●	●	●	●	●	●[2]
Customizable rules for spam rating	-	-	●	●	●	●	●	●	●	●	●[2]

[2]   Does not apply for virtual model VF10.

Barracuda NextGen Firewall F **Web Proxy**	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Virtual
Supports cache hierarchies (parenting, neighboring)	●	●	●	●	●	●	●	●	●	●	●
Cache hierarchies supporting protocols	ICP, HTCP, CARP, Cache Digest, WCCP										
Proxying and caching (HTTP, FTP, and others)	●	●	●	●	●	●	●	●	●	●	●
Proxying for SSL (no inspection)	●	●	●	●	●	●	●	●	●	●	●
Transparent caching	●	●	●	●	●	●	●	●	●	●	●
HTTP server acceleration	●	●	●	●	●	●	●	●	●	●	●
Caching of DNS lookups	●	●	●	●	●	●	●	●	●	●	●
Central user authentication	Native NTLM, RADIUS, RSA ACE, LDAP, MS Active Directory, TACACS+										
Support for external virus scanning (ICAP)	●	●	●	●	●	●	●	●	●	●	●

Barracuda NextGen Firewall F **VPN & Network Access Clients**	VPN Client	Network Access Client
Architecture		
Integrated VPN client	●	●
Integrated health agent and managed personal firewall	-	●
Full NAC policy support	-	●
Customizable user interface	●	●
Low power consumption network stack	●	●
Supported OS Variants		
Microsoft Windows Vista (32-bit, 64-bit)	●	●
Microsoft Windows 7 (32-bit, 64-bit)	●	●
Microsoft Windows 8 (32-bit, 64-bit)	●	●
Microsoft Windows 10 (32-bit, 64-bit)	●	●
Linux (kernel 2.4, kernel 2.6)	●	-
macOS (10.5, 10.6, 10.7, 10.8, 10.9, 10.10, 10.11)	●	-
Management		
Central management of VPN configuration	●	●
VPN diagnostic log	●	●
VPN system diagnostics report	●	●
VPN status monitoring	●	●
Attack access cache	●	●
Packet log (capture)	●	●
VPN groups	●	●
Silent client setup	●	●
Password protection of settings [1,4]	●	●
Authentication Support		
Microsoft® Certificate Management (Crypto API)	●[1]	●
Microsoft® Active Directory [2]	●[1]	●
LDAP [2]	●	●
RADIUS [2]	●	●
MSNT [2]	●[1]	●
RSAACE [2]	●	●
External X509 certificates	●	●
SMS PASSCODE [2]	●	●
RSA tokens [2]	●	●
Smart cards [3]	●[1]	●
Microsoft domain logon support (prelogon)	●[1]	●
Personal Firewall Capabilities		
Dynamic adapter object & user object handling	●	●
RPC handling	●	●
Multiple rule sets support	●	●
Client side policy enforcement	●	●
Application control	●	●
Adapter control	●	●
User context enforcement	●	●
NetBIOS protection	●	●
DoS attack protection	●	●
Executable scripts	●	●

1. Only for Microsoft operating systems
2. Queried by Barracuda NextGen Firewall F VPN server on behalf of client
3. For manufacturer with Microsoft Crypto Service Provider.
4. Also prevents changes to client settings by users with administrator rights.

Premium Remote Access **CudaLaunch**	**Windows**	**macOS**	**iOS**	**Android**
Access to Web Apps (reverse proxied internal apps)	●	●	●	●
Access to Tunnel Web Apps (internal apps via SSL Tunnel)	●	●	●	●
RDP (via SSL Tunnel)	●	●	●	●
SSL Tunnels for Native Client Apps	●	●	●	●
IP VPN connections (connect device to network)	TINA VPN	TINA VPN	Standard IPsec	TINA VPN
Built-in demo setup	●	●	●	●
Central administration via Barracuda NextGen Firewall F and NextGen Admin	●	●	●	●
Automatic self-configuration and management of VPN connections	●	●	●	●
Integration with Barracuda NextGen Firewall User Authentication	●	●	●	●
Client certificate authentication	●	●	●	●
Single Sign-On to internal apps	●	●	●	●
Launchpad favorites (apps or VPN connections)	●	●	●	●
User attributes (ability for end users to edit)	●	●	●	●
Dynamic firewall rule control (for system administrators)	●	●	●	●
Custom help or info text for your organization	●	●	●	●
Manually edit and create IP VPN connections	●	●	●	●
Debug log for easy support	●	●	●	●

Barracuda NextGen Control Center **Configuration Management**	**Standard Edition** (C400 / VC400 / VCC400)	**Enterprise Edition** (C610 / VC610 / VCC610)	**Global Edition** (VC820)
Tenants	1	1	5
Configuration groups[1]	1	No limit	No limit
Maximum managed gateways [recommended]	No limit [20]	No limit [200]	No limit [1000+ depends on HW]
Configuration templates (repositories)	●	●	●
Shared configuration data	●	●	●
Operating system parameters	●	●	●
Networking/routing parameters	●	●	●
FW/VPN policies, application gateway parameters	●	●	●
Flat file data storage	●	●	●
Database characteristics (transaction orientation, locking, etc.)	●	●	●
Backup and restore functionality	●	●	●
Gateway configuration archive for speed install	●	●	●
Configuration update monitoring	●	●	●
Full RCS versioning	●	●	●
VPN graphical tunnel interface	●	●	●
Dynamic mesh site-to-site VPN support	●	●	●
Barracuda Network Access Client policy management	●	●	●
Multi-release management	-	●	●
Multi-platform management	●	●	●

[1] Note that "Configuration Groups" (named "cluster" in the firmware) refers to an administratively bundled group of Barracuda NextGen Firewall appliances and not to a load sharing cluster.

Barracuda NextGen Control Center **Status Monitoring**	Standard Edition (C400 / VC400 / VCC400)	Enterprise Edition (C610 / VC610 / VCC610)	Global Edition (VC820)
Gateway health state	●	●	●
Launch pad functionality	●	●	●
Customizable layout	●	●	●
Barracuda Earth support	-	●	●

Barracuda NextGen Control Center **Trust Center**	Standard Edition (C400 / VC400 / VCC400)	Enterprise Edition (C610 / VC610 / VCC610)	Global Edition (VC820)
Gateway x.509 certificate CA	●	●	●
Gateway SSH key management	●	●	●
VPN server for management tunnels to gateways	●	●	●
Virtual IP addresses for gateways (ProxyARP)	●	●	●
Dynamic gateway IP address support	●	●	●

Barracuda NextGen Control Center **License Center**	Standard Edition (C400 / VC400 / VCC400)	Enterprise Edition (C610 / VC610 / VCC610)	Global Edition (VC820)
License timestamp server	●	●	●
License status display	●	●	●
Central event message list	●	●	●
Event forwarding (SNMP, mail)	●	●	●
Event log	●	●	●

Barracuda NextGen Control Center **Barracuda Activation**	Standard Edition (C400 / VC400 / VCC400)	Enterprise Edition (C610 / VC610 / VCC610)	Global Edition (VC820)
Central activation of managed units	●	●	●
Central license retrieval for managed units	●	●	●
Central license extension for managed units	●	●	●
Offline (unit) activation for managed units	●	●	●
Offline (unit) license retrieval for managed units	●	●	●
Offline (unit) license extension for managed units	●	●	●
Activation properties per cluster	-	●	●
Activation properties per range	-	-	●
Full automatic activation	●	●	●
Manual activation	●	●	●
Activation of Vx units with license token	●	●	●
Activation of HA unit	●	●	●

Barracuda NextGen Control Center **Central Session Tracking**	Standard Edition (C400 / VC400 / VCC400)	Enterprise Edition (C610 / VC610 / VCC610)	Global Edition (VC820)
Session display	●	●	●
Session termination	●	●	●

Barracuda NextGen Control Center **Central Software Update**	**Standard Edition** (C400 / VC400 / VCC400)	**Enterprise Edition** (C610 / VC610 / VCC610)	**Global Edition** (VC820)
Real-time version display	●	●	●
Kernel and OS updates	●	●	●
Barracuda NextGen Firewall F updates & log viewer	●	●	●

Barracuda NextGen Control Center **Secure Remote Exec. Environment (SSHv2)**	**Standard Edition** (C400 / VC400 / VCC400)	**Enterprise Edition** (C610 / VC610 / VCC610)	**Global Edition** (VC820)
Job scheduling	●	●	●
Script management	●	●	●
Execution log viewer	●	●	●

Barracuda NextGen Control Center **Administrative Model**	**Standard Edition** (C400 / VC400 / VCC400)	**Enterprise Edition** (C610 / VC610 / VCC610)	**Global Edition** (VC820)
Fully GUI-based access (NextGen Admin management tool)	●	●	●
Strong authentication & AES encryption	●	●	●
Configurable role-based administration	●	●	●
Adjustable view on configuration tree	●	●	●
Configurable administrative domains	-	●	●
Multiple domains per administrator	-	●	●
Configurable access on OS level	●	●	●
Configurable access notification	●	●	●

Barracuda NextGen Control Center **Reporting and Accounting**	**Standard Edition** (C400 / VC400 / VCC400)	**Enterprise Edition** (C610 / VC610 / VCC610)	**Global Edition** (VC820)
Historical reports on gateway activity	●	●	●
Customer-based gateway activity reports	●	●	●
Policy distribution	●	●	●
Control Center resource utilization	●	●	●
Gateway-resource utilization	●	●	●
Central log host	●	●	●
Streaming/relaying to external log host	●	●	●

Barracuda NextGen Control Center **Additional Functions**	**Standard Edition** (C400 / VC400 / VCC400)	**Enterprise Edition** (C610 / VC610 / VCC610)	**Global Edition** (VC820)
NTP4 time server for gateways	●	●	●
Integrated DNS server	●	●	●
High availability	Optional	Optional	HA license included
SIEM syslog interface	●	●	●
Public Key Infrastructure	-	●	●
Revision Control System	●	●	●
Access Monitor	●	●	●

Availability Matrix

Barracuda NextGen Firewall F	F18	F80	F180	F280	F380	F400	F600	F800	F900	F1000	Vx	Public Cloud BYOL	PAYG
Energize Updates	**Mandatory**												
On-Site Cold Spare Unit	**Optional**												
Warranty Extension	**Optional**												
Instant Replacement	**Optional**												
Premium Support	*depends on product mix and size of deployment*				**Optional**								
Malware Protection	**Optional**												
Advanced Threat Detection	**Optional**												
Premium Remote Access		**Optional**											●

High Availability ("HA"):

All subscriptions have to be licensed separately for the HA partner. For further information, please contact your local partner or Barracuda sales at sales@barracuda.com.

Energize Updates

Barracuda Energize Updates help you secure your investment in the ever-changing IT world. Benefit from security updates to patch or repair any security vulnerabilities, keep your Barracuda Networks product up-to-date and fully functional at all times, and get access to our award-winning support.

Note:

Energize Updates are available for all Barracuda NextGen Firewall hardware and virtual models. Available as 1, 3, and 5 year subscriptions. Purchasing at least 1 year of Energize Updates is required with every Barracuda NextGen Firewall.

Energize Updates includes:

- Basic support, i.e., email support 24/7, and phone support Monday through Friday from 9:00 am to 5:00 pm
- Firmware maintenance, which includes new firmware updates with feature enhancements and bug fixes
- Barracuda Early Release Firmware program (optional)
- Unlimited number of client-to-site VPN connections
- Security updates to patch or repair any security vulnerabilities
- URL filter based on Barracuda Web Filter online URL categorization in single-pass (i.e., used directly in the firewall engine) as well as in proxy mode
- Regular updates for Application Control database
- IPS signature and pattern updates.

On-Site Cold Spare Unit

The cold spare unit provides Barracuda customers a cold standby appliance of the same type as the main unit.

This cold standby unit can be activated quickly in case the active unit fails for any reason. The cold standby appliance includes a "Cold Standby License" for the Barracuda NextGen Firewall F-Series firmware only; no productive use for firewalling or other functions is possible. In this way, the firmware of the appliance can be upgraded to the patch level that corresponds to the main unit (fully licensed unit). If the main unit fails, the on-site cold spare unit may be used to temporarily host the license and backup file ("par" file, including the license) of the defective main unit for a period of up to 15 days.

If the defective unit is covered under Instant Replacement or is still under warranty, Barracuda Networks will ship the customer a replacement unit of the same type as the defective unit. The former cold spare unit inherits the license features of the former main unit by a swap with a new license issued, effectively transforming the cold spare to the new main unit. The shipped unit includes a cold spare license and effectively become the new cold spare.

The customer needs to ship the defective unit to Barracuda Networks or certify destruction. If the customer fails to do so, Barracuda reserves the right to charge the customer for a full Barracuda NextGen Firewall F unit.

Warranty Extension

Provides an extended warranty, and ships a replacement unit on the next business day (best effort) with standard mail upon notification of a failed unit.

Note:
Available for all Barracuda NextGen Firewall F-Series hardware models. Warranty Extension must be purchased within 60 days of hardware purchase and is a continuous subscription from date of activation. Available as 1 and 3 year subscriptions with a maximum coverage of 5 years.

Instant Replacement

One hundred percent uptime is important in corporate environments, but sometimes equipment can fail. In the rare case that a Barracuda Networks product fails, Barracuda ships a replacement unit on the same or next business day. And by means of the Hardware Refresh Program, we ensure that customers benefit from the latest hardware improvements and firmware capabilities:

• Enhanced support providing phone and email support 24/7
• Hard disk replacement on models that have swappable RAID drives
• Free hardware refresh after four years of continuous IR coverage.

Note:
Available for all Barracuda NextGen Firewall hardware models. Instant Replacement must be purchased within 60 days of hardware purchase and is a continuous subscription from date of activation. Available as 1, 3, and 5 year subscriptions.

Comparison "Warranty Extension - Instant Replacement"

	Warranty Extension	Instant Replacement
Replacement	Next business day (best effort)	Same day or next business day
Shipment	Standard	Express
Hard disk replacement (swappable RAID)	Standard shipping	
Support	Basic Support (with EU)	Enhanced Support
Available subscriptions	1, 3 years	1, 3, 5 years
Free hardware refresh after 4 years		●

Premium Support

Premium Support ensures that an organisation's network is running at its peak performance by providing the highest level of 24/7 technical support for mission-critical environments. A dedicated Premium Support Account Manager and a team of technical engineers provide fast solutions to high-priority support issues, thereby ensuring that Barracuda Networks equipment maintains continuous uptime.

Key Benefits of Premium Support:

- Dedicated phone and email support 24/7
- Priority response time to resolve mission-critical issues
- Priority Level Agreement (PLAs) to guarantee that issues are handled, resolved, and closed quickly
- Dedicated Support Account Manager who is familiar with the customer's environment
- Proactive ticket monitoring and reporting to provide comprehensive information and control

Note:
Available for all Barracuda NextGen Firewall F-Series hardware and virtual models. Premium Support for Barracuda NextGen Firewall F-Series hardware appliances can only be purchased in combination with Instant Replacement. Premium Support may be purchased on Barracuda NextGen Firewall F virtual appliances without Instant Replacement. Available as 1, 3, and 5 year subscriptions. For more information on Premium Support please visit www.barracuda.com/support.

Premium Remote Access

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

Barracuda's responsive **SSL VPN** Portal enables you to provide simple browser based remote access on desktop or mobile devices. When accessing the portal via the web browser on a desktop or mobile device, users can browse apps, network folders, and files as if they were connected to the office network.

CudaLaunch is a simple-to-use remote connectivity application specifically designed to securely extend the company network to BYOD and mobile devices. The app is available for Windows, macOS, iOS, and Android, can be downloaded from the App Stores.

The Barracuda **Network Access Client** provides a sophisticated VPN client for Windows, macOS, and Linux that provides richer performance and functionality than standard IPsec client software. The Barracuda Network Access Client, when used with a Barracuda NextGen Firewall F, provides centrally managed Network Access Control (NAC) and an advanced Personal Firewall. This enforces client health and security policies for remote users connecting to the corporate network.

For Barracuda NextGen Firewall F deployments in Public Cloud offerings like Amazon Web Services and/or Azure with Pay-As-You-Go licencing, this subscription is included.

CudaLaunch
- Windows
- macOS
- iOS
- Android

User Session Limits
- Unlimited concurrent SSL VPN user sessions
- Unlimited concurrent CudaLaunch sessions
- Multiple concurrent Client-to-Site VPN sessions by the same user

Advanced Threat Detection

Prevent malicious files—even unknown ones—from entering the organization. Avoid network breaches, identify zero-day malware exploits, targeted attacks, advanced persistent threats and other advanced malware that routinely bypass traditional signature based IPS and antivirus engines before they do harm to your network.

Compatibility and Licensing:
Available for Barracuda NextGen Firewall models F18 and higher, as well as all Barracuda NextGen Firewall F virtual appliances.
Available as 1, 3, and 5 years subscriptions. Requires a valid Web Security or Malware Protection subscription. In case the monthly file capacity is reached, the system stops forwarding files to the ATD cloud for the rest of the current month.

Environment and Number of Files Inspected Per Month

Hardware	# of files	Virtual	# of files	Public Cloud	# of files
F18	108,000	VF25	43,200	Level 2	108,000
F80	108,000	VF50	108,000	Level 4	216,000
F180	108,000	VF100	216,000	Level 6	324,000
F280	216,000	VF250	324,000	Level 8	750,000
F380	260,000	VF500	432,000		
F400	324,000	VF1000	540,000		
F600	540,000	VF2000	648,000		
F800	750,000	VF4000	750,000		
F900	1,000,000	VF8000	1,000,000		
F1000	on request				

Malware Protection

The Malware Protection subscription provides gateway-based protection against malware, viruses, spyware, and other unwanted programs inside SMTP/S, HTTP/S, and FTP traffic. Using Malware Protection in proxy mode adds POP3 traffic.

Key Benefits of Malware Protection:

- Configurable archive recursion depth
- Quarantine functionality for proxy
- Configurable unknown archive policy
- Configurable maximum archive size
- Archiver package support
- Office file-types support
- Proactive detection of new threats
- Advanced heuristics detection techniques
- Hundreds of thousands signatures

Compatibility and Licensing:
Available for Barracuda Barracuda NextGen Firewall models F18 and higher, as well as all Barracuda Barracuda NextGen Firewall F virtual appliances. Unlimited user license if purchased with a Barracuda NextGen Firewall F hardware appliance. If purchased for a virtual appliance the number of protected IPs (capacity) applies.
Available as 1, 3, and 5 years subscriptions.
In High Availability (HA) environments each unit needs to be licensed separately.

Advanced Threat and Malware Protection Bundle

For your convenience, the subscriptions "Advanced Threat Detection" and "Malware Protection" are also available in a bundled subscription.

However, the specifications, compatibility, and licensing restrictions are the same as for single licensing.

Barracuda NextGen Firewall F-Series

Calculation of co-terminus subscriptions:

To allow customers to consolidate their maintenance and subscription offerings to a single end or renewal date, daily rates for all subscription types are offered. These daily rates should be used to extend expiring subscriptions to coincide with the dates of subscriptions expiring in the future. Barracuda Networks does credit early termination of subscriptions using these daily rates.

Hardware Appliances

NextGen Firewall F18	EMEA / International	North America
Barracuda NextGen Firewall Model F18	BNGIF18a	BNGF18a
Energize Updates (1Y, 3Y, 5Y)	BNGIF18a-e1,3,5	BNGF18a-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF18a-h1,3,5	BNGF18a-h1,3,5
Warranty Extension (1Y, 3Y)	BNGIF18a-we1,3	BNGF18a-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF18a-p1,3,5	BNGF18a-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF18a-m1,3,5	BNGIF18a-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF18a-a1,3,5	BNGF18a-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF18a-am1,3,5	BNGF18a-am1,3,5
Cold Spare F18	BNGIF18a-c	BNGF18a-c
L-shape rack mount bracket (2x)	BPIRAC-02	BPRAC-02

NextGen Firewall F80	EMEA / International	North America
Barracuda NextGen Firewall Model F80	BNGIF80a	BNGF80a
Energize Updates (1Y, 3Y, 5Y)	BNGIF80a-e1,3,5	BNGIF80a-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF80a-h1,3,5	BNGIF80a-h1,3,5
Warranty Extension (1Y, 3Y)	BNGIF80a-we1,3	BNGIF80a-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF80a-p1,3,5	BNGIF80a-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF80a-m1,3,5	BNGIF80a-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF80a-a1,3,5	BNGF80a-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF80a-am1,3,5	BNGF80a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF80a-vp1,3,5	BNGF80a-vp1,3,5
Cold Spare F80	BNGIF80a-c	BNGF80a-c
L-shape rack mount bracket (2x)	BPIRAC-02	BPRAC-02

NextGen Firewall F180	EMEA / International	North America
Barracuda NextGen Firewall Model F180	BNGIF180a	BNGF180a
Energize Updates (1Y, 3Y, 5Y)	BNGIF180a-e1,3,5	BNGF180a-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF180a-h1,3,5	BNGF180a-h1,3,5
Warranty Extension (1Y, 3Y)	BNGIF180a-we1,3	BNGF180a-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF180a-p1,3,5	BNGF180a-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF180a-m1,3,5	BNGIF180a-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF180a-a1,3,5	BNGF180a-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF180a-am1,3,5	BNGF180a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF180a-vp1,3,5	BNGF180a-vp1,3,5
Cold Spare F180	BNGIF180a-c	BNGF180a-c

NextGen Firewall F280	EMEA / International	North America
Barracuda NextGen Firewall Model F280	BNGIF280a	BNGF280a
Energize Updates (1Y, 3Y, 5Y)	BNGIF280a-e1,3,5	BNGF280a-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF280a-h1,3,5	BNGF280a-h1,3,5
Warranty Extension (1Y, 3Y)	BNGIF280a-we1,3	BNGF280a-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF280a-p1,3,5	BNGF280a-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF280a-m1,3,5	BNGIF280a-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF280a-a1,3,5	BNGF280a-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF280a-am1,3,5	BNGF280a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF280a-vp1,3,5	BNGF280a-vp1,3,5
Cold Spare F280	BNGIF280a-c	BNGF280a-c

NextGen Firewall F380	EMEA / International	North America
Barracuda NextGen Firewall Model F380	BNGIF380a	BNGF380a
Energize Updates (1Y, 3Y, 5Y)	BNGIF380a-e1,3,5	BNGF380a-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF380a-h1,3,5	BNGF380a-h1,3,5
Extended Warranty (1Y, 3Y)	BNGIF380a-we1,3	BNGF380a-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF380a-p1,3,5	BNGF380a-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF380a-m1,3,5	BNGIF380a-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF380a-a1,3,5	BNGF380a-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF380a-am1,3,5	BNGF380a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF380a-vp1,3,5	BNGF380a-vp1,3,5
Cold Spare F380	BNGIF380a-c	BNGF380a-c
Rail kit	BPNGIRAC-02	BPNGRAC-02

NextGen Firewall F400	EMEA / International	North America
Barracuda NextGen Firewall Model F400	BNGIF400a.<sub model> [2]	BNGF400a.<sub model> [2]
Energize Updates (1Y, 3Y, 5Y)	BNGIF400a.<sub model>-e1,3,5	BNGF400a.<sub model>-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF400a.<sub model>-h1,3,5	BNGF400a.<sub model>-h1,3,5
Extended Warranty (1Y, 3Y)	BNGIF400a.<sub model>-we1,3	BNGF400a.<sub model>-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF400a.<sub model>-p1,3,5	BNGF400a.<sub model>-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF400a.<sub model>-m1,3,5	BNGIF400a.<sub model>-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF400a.<sub model>-a1,3,5	BNGF400a.<sub model>-1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF400a.<sub model>-am1,3,5	BNGF400a.<sub model>-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF400a.<sub model>-vp1,3,5	BNGF400a.<sub model>-vp1,3,5
Spare Power Supply [1]	BNGIRPS1a	BNGIRPS1a
Cold Spare F400	BNGIF400a.<sub model>-c	BNGF400a.<sub model>-c
Rail kit	BPNGIRAC-02	BPNGRAC-02
Spare power supply unit sub-models with dual power supply	BNGIRPS1a	BNGRPS1a

[1] Available sub-model with dual power supply: F400.F20
[2] Available F400 models: standard and .F20 sub model

NextGen Firewall F600	EMEA / International	North America
Barracuda NextGen Firewall Model F600	BNGIF600a.<sub model> [2]	BNGF600a.<sub model> [2]
Energize Updates (1Y, 3Y, 5Y)	BNGIF600a.<sub model>-e1,3,5	BNGF600a.<sub model>-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF600a.<sub model>-h1,3,5	BNGF600a.<sub model>-h1,3,5
Extended Warranty (1Y, 3Y)	BNGIF600a.<sub model>-we1,3	BNGF600a.<sub model>-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF600a.<sub model>-p1,3,5	BNGF600a.<sub model>-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF600a.<sub model>-m1,3,5	BNGF600a.<sub model>-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF600a.<sub model>-a1,3,5	BNGF600a.<sub model>-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF600a.<sub model>-am1,3,5	BNGF600a.<sub model>-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF600a.<sub model>-vp1,3,5	BNGF600a.<sub model>-vp1,3,5
Spare Power Supply [1]	BNGIRPS1a	BNGRPS1a
Cold Spare F600	BNGIF600a.<sub model>-c	BNGF600a.<sub model>-c
Rail kit	BPNGIRAC-02	BPNGRAC-02
Spare power supply unit sub-models with dual power supply	BNGIRPS1a	BNGRPS1a

[1] Available sub-models with dual power supply: F600.C20, F600.F20, F600.E20
[2] Available F600 models: C10, C20, F10, F20, E20; please see "Available F600 Sub-models" on page 28 for details

NextGen Firewall F800	EMEA / International	North America
Barracuda NextGen Firewall Model F800	BNGIF800a.<sub model> [1]	BNGF800a.<sub model> [1]
Energize Updates (1Y, 3Y, 5Y)	BNGIF800a.<sub model>-e1,3,5	BNGF800a.<sub model>-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF800a.<sub model>-h1,3,5	BNGF800a.<sub model>-h1,3,5
Extended Warranty (1Y, 3Y)	BNGIF800a.<sub model>-we1,3	BNGF800a.<sub model>-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF800a.<sub model>-p1,3,5	BNGF800a.<sub model>-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF800a.<sub model>-m1,3,5	BNGF800a.<sub model>-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF800a.<sub model>-a1,3,5	BNGF800a.<sub model>-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF800a.<sub model>-am1,3,5	BNGF800a.<sub model>-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF800a.<sub model>-vp1,3,5	BNGF800a.<sub model>-vp1,3,5
Cold Spare F800	BNGIF800a.<sub model>-c	BNGF800a.<sub model>-c
Replacement / Spare Network Module 8x1GbE Copper	BNGIM801a	BNGM801a
Replacement / Spare Network Module 4x1GbE SFP	BNGIM802a	BNGM802a
Replacement / Spare Network Module 4x10GbE SFP+	BNGIM805a	BNGM805a

[1] Available F800 models: standard and .CCC, .CCF, .CCE sub models; please see "Available F800 Sub-models" on page 30 for details

NextGen Firewall F900	EMEA / International	North America
Barracuda NextGen Firewall Model F900	BNGIF900a.<sub model> [1]	BNGF900a.<sub model> [1]
Energize Updates (1Y, 3Y, 5Y)	BNGIF900a.<sub model>-e1,3,5	BNGF900a.<sub model>-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF900a.<sub model>-h1,3,5	BNGF900a.<sub model>-h1,3,5
Extended Warranty (1Y, 3Y)	BNGIF900a.<sub model>-we1,3	BNGF900a.<sub model>-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF900a.<sub model>-p1,3,5	BNGF900a.<sub model>-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF900a.<sub model>-m1,3,5	BNGF900a.<sub model>-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF900a.<sub model>-a1,3,5	BNGF900a.<sub model>-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF900a.<sub model>-am1,3,5	BNGF900a.<sub model>-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF900a.<sub model>-vp1,3,5	BNGF900a.<sub model>-vp1,3,5
Cold Spare F900	BNGIF900a.<sub model>-c	BNGF900a.<sub model>-c
Replacement / Spare Network Module 8x1GbE Copper	BNGIM806a	BNGM806a
Replacement / Spare Network Module 8x1GbE SFP	BNGIM807a	BNGM807a
Replacement / Spare Network Module 4x10GbE SFP+	BNGIM808a	BNGM808a

[1] Available F900 models: standard and .CCC, .CCE, and .CFE sub models; please see "Available F900 Sub-models" on page 32 for details

NextGen Firewall F1000	EMEA / International	North America
Barracuda NextGen Firewall Model F1000	BNGIF1000a.<sub model> [2]	BNGF1000a.<sub model> [2]
Energize Updates (1Y, 3Y, 5Y)	BNGIF1000a.<sub model>-e1,3,5	BNGF1000a.<sub model>-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNGIF1000a.<sub model>-h1,3,5	BNGF1000a.<sub model>-h1,3,5
Extended Warranty (1Y, 3Y)	BNGIF1000a.<sub model>-we1,3	BNGF1000a.<sub model>-we1,3
Premium Support (1Y, 3Y, 5Y)	BNGIF1000a.<sub model>-p1,3,5	BNGF1000a.<sub model>-p1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGIF1000a.<sub model>-m1,3,5	BNGF1000a.<sub model>-m1,3,5
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIF1000a.<sub model>-a1,3,5	BNGF1000a.<sub model>-a1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIF1000a.<sub model>-am1,3,5	BNGF1000a.<sub model>-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGIF1000a.<sub model>-vp1,3,5	BNGF1000a.<sub model>-vp1,3,5
Maintenance Kit [1]	BPNGIKITF1000	BPNGKITF1000
Cold Spare F1000	BNGIF1000a.<sub model>-c	BNGF1000a.<sub model>-c
Replacement / Spare Network Module 16x1GbE Copper	BNGIM1001a	BNGM1001a
Replacement / Spare Network Module 16x1GbE SFP	BNGIM1002a	BNGM1002a
Replacement / Spare Network Module 4x10GbE SFP+	BNGIM1003a	BNGM1003a
Rail kit	BPNGRAC-04	BPNGRAC-04
Maintenance Kit (including two fans and one power supply unit)	BPNGIKITF1000	BPNGKITF1000

[1] Kit consists of two fans and one power supply
[2] Available F1000 models: standard and .CE0, .CE2, and .CFE sub models, please see "Available F1000 Sub-models" on page 34 for details

Virtual Appliances

Barracuda NextGen Firewall F	EMEA / International	North America
Barracuda NextGen Firewall VF10, VF25, VF50, VF100, VF250, VF500, VF1000, VF2000, VF4000, VF8000	BNGIVF10a,….BNGIVF8000a	BNGVF10a,….BNGVF8000a
Energize Updates (1Y, 3Y, 5Y)	BNGIVF<user>-e<sub duration>, e.g. BNGIVF25a-e1	BNGVF<user>-e<sub duration>, e.g. BNGVF25a-e1
Premium Support (1Y, 3Y, 5Y)	BNGIVF<user>-p<sub duration>, e.g. BNGIVF25a-p1	BNGVF<user>-p<sub duration>, e.g. BNGVF25a-p1
Malware Protection (1Y, 3Y, 5Y)	BNGIVF<user>-m<sub duration>, e.g. BNGIVF25a-m1	BNGVF<user>-m<sub duration>, e.g. BNGVF25a-m1
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGIVF<user>-a<sub duration>, e.g. BNGIVF25a-a1	BNGVF<user>-a<sub duration>, e.g. BNGVF25a-a1
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGIVF<user>-am<sub duration>, e.g. BNGIVF25a-am1	BNGVF<user>-am<sub duration>, e.g. BNGVF25a-am1
Premium Remote Access (1Y, 3Y, 5Y)	BNGIVF<user>-vp<sub duration>, e.g. BNGIVF25a-vp1	BNGVF<user>-vp<sub duration>, e.g. BNGVF25a-vp1

Amazon Web Services (AWS)

for Amazon Web Service Account Level 2	EMEA / International	North America
Barracuda NextGen Firewall for Amazon Web Service Account Level 2	BNGICAW002a	BNGCAW002a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAW002a-a1,3,5	BNGCAW002a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAW002a-m1,3,5	BNGCAW002a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAW002a-am1,3,5	BNGCAW002a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAW002a-vp1,3,5	BNGCAW002a-vp1,3,5

for Amazon Web Service Account Level 4	EMEA / International	North America
Barracuda NextGen Firewall for Amazon Web Service Account Level 4	BNGICAW004a	BNGCAW004a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAW004a-a1,3,5	BNGCAW004a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAW004a-m1,3,5	BNGCAW004a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAW004a-am1,3,5	BNGCAW004a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAW004a-vp1,3,5	BNGCAW004a-vp1,3,5

for Amazon Web Service Account Level 6	EMEA / International	North America
Barracuda NextGen Firewall for Amazon Web Service Account Level 6	BNGICAW006a	BNGCAW006a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAW006a-a1,3,5	BNGCAW006a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAW006a-m1,3,5	BNGCAW006a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAW006a-am1,3,5	BNGCAW006a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAW006a-vp1,3,5	BNGCAW006a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICAW006a-p1,3,5	BNGCAW006a-p1,3,5

for Amazon Web Service Account Level 8	EMEA / International	North America
Barracuda NextGen Firewall for Amazon Web Service Account Level 8	BNGICAW008a	BNGCAW008a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAW008a-a1,3,5	BNGCAW008a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAW008a-m1,3,5	BNGCAW008a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAW008a-am1,3,5	BNGCAW008a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAW008a-vp1,3,5	BNGCAW008a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICAW008a-p1,3,5	BNGCAW008a-p1,3,5

Microsoft Azure

for Microsoft Azure Account Level 2	EMEA / International	North America
Barracuda NextGen Firewall for Microsoft Azure Account Level 2	BNGICAZ002a	BNGCAZ002a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAZ002a-a1,3,5	BNGCAZ002a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAZ002a-m1,3,5	BNGCAZ002a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAZ002a-am1,3,5	BNGCAZ002a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAZ002a-vp1,3,5	BNGCAZ002a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICAZ002a-p1,3,5	BNGCAZ002a-p1,3,5

for Microsoft Azure Account Level 4	EMEA / International	North America
Barracuda NextGen Firewall for Microsoft Azure Account Level 4	BNGICAZ004a	BNGICAZ004a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAZ004a-a1,3,5	BNGCAZ004a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAZ004a-m1,3,5	BNGICAZ004a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAZ004a-am1,3,5	BNGCAZ004a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAZ004a-vp1,3,5	BNGCAZ004a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICAZ004a-p1,3,5	BNGCAZ004a-p1,3,5

for Microsoft Azure Account Level 6	EMEA / International	North America
Barracuda NextGen Firewall for Microsoft Azure Account Level 6	BNGICAZ006a	BNGCAZ006a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAZ006a-a1,3,5	BNGCAZ006a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAZ006a-m1,3,5	BNGCAZ006a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAZ006a-am1,3,5	BNGCAZ006a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAZ006a-vp1,3,5	BNGCAZ006a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICAZ006a-p1,3,5	BNGCAZ006a-p1,3,5

for Microsoft Azure Account Level 8	EMEA / International	North America
Barracuda NextGen Firewall for Microsoft Azure Account Level 8	BNGICAZ008a	BNGCAZ008a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICAZ008a-a1,3,5	BNGCAZ008a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICAZ008a-m1,3,5	BNGCAZ008a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICAZ008a-am1,3,5	BNGCAZ008a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICAZ008a-vp1,3,5	BNGCAZ008a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICAZ008a-p1,3,5	BNGCAZ008a-p1,3,5

Google Cloud

for Google Cloud - Level 2	EMEA / International	North America
Barracuda NextGen Firewall for Google Cloud - Level 2	BNGICLD002a	BNGCLD002a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICLD002a-a1,3,5	BNGCLD002a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICLD002a-m1,3,5	BNGCLD002a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICLD002a-am1,3,5	BNGCLD002a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICLD002a-vp1,3,5	BNGCLD002a-vp1,3,5

for Google Cloud - Level 4	EMEA / International	North America
Barracuda NextGen Firewall for Google Cloud - Level 4	BNGICLD004a	BNGCLD004a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICLD004a-a1,3,5	BNGCLD004a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICLD004a-m1,3,5	BNGCLD004a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICLD004a-am1,3,5	BNGCLD004a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICLD004a-vp1,3,5	BNGCLD004a-vp1,3,5

for Google Cloud - Level 6	EMEA / International	North America
Barracuda NextGen Firewall for Google Cloud - Level 6	BNGICLD006a	BNGCLD006a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICLD006a-a1,3,5	BNGCLD006a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICLD006a-m1,3,5	BNGCLD006a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICLD006a-am1,3,5	BNGCLD006a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICLD006a-vp1,3,5	BNGCLD006a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICLD006a-p1,3,5	BNGCLD006a-p1,3,5

for Google Cloud - Level 8	EMEA / International	North America
Barracuda NextGen Firewall for Google Cloud - Level 8	BNGICLD008a	BNGCLD008a
Advanced Threat Detection (1Y, 3Y, 5Y)	BNGICLD008a-a1,3,5	BNGCLD008a-a1,3,5
Malware Protection (1Y, 3Y, 5Y)	BNGICLD008a-m1,3,5	BNGCLD008a-m1,3,5
Advanced Threat and Malware Protection (1Y, 3Y, 5Y)	BNGICLD008a-am1,3,5	BNGCLD008a-am1,3,5
Premium Remote Access (1Y, 3Y, 5Y)	BNGICLD008a-vp1,3,5	BNGCLD008a-vp1,3,5
Premium Support (1Y, 3Y, 5Y)	BNGICLD008a-p1,3,5	BNGCLD008a-p1,3,5

Barracuda NextGen Control Center

Hardware Appliances

NextGen Control Center C400	EMEA / International	North America
Barracuda NextGen Control Center C400 - Standard Edition	BNCIC400a	BNCC400a
Energize Updates (1Y, 3Y, 5Y)	BNCIC400a-e1,3,5	BNCC400a-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNCIC400a-h1,3,5	BNCC400a-h1,3,5
Extended Warranty (1Y, 3Y)	BNCIC400a-we1,3	BNCC400a-we1,3
Premium Support (1Y, 3Y, 5Y)	BNCIC400a-p1,3,5	BNCC400a-p1,3,5
Barracuda NextGen Control Center Cold Spare C400	BNCIC400a-c	BNCC400a-c

NextGen Control Center C610	EMEA / International	North America
Barracuda NextGen Control Center C610 - Enterprise Edition	BNCIC610a	BNCC610a
Energize Updates (1Y, 3Y, 5Y)	BNCIC610a-e1,3,5	BNCC610a-e1,3,5
Instant Replacement (1Y, 3Y, 5Y)	BNCIC610a-h1,3,5	BNCC610a-h1,3,5
Extended Warranty (1Y, 3Y)	BNCIC610a-we1,3	BNCC610a-we1,3
Premium Support (1Y, 3Y, 5Y)	BNCIC610a-p1,3,5	BNCC610a-p1,3,5
Barracuda NextGen Control Center Cold Spare C610	BNCIC400a-c	BNCC400a-c

Virtual Appliances

NextGen Control Center VC400	EMEA / International	North America
Barracuda NextGen Control Center VC400 - Standard Edition	BNCIVC400a	BNCVC400a
Energize Updates (1Y, 3Y, 5Y)	BNCIVC400a-e1,3,5	BNCVC400a-e1,3,5
Premium Support (1Y, 3Y, 5Y)	BNCIVC400a-p1,3,5	BNCVC400a-p1,3,5

NextGen Control Center VC610	EMEA / International	North America
Barracuda NextGen Control Center VC610 - Enterprise Edition	BNCIVC610a	BNCVC610a
Energize Updates (1Y, 3Y, 5Y)	BNCIVC610a-e1,3,5	BNCVC610a-e1,3,5
Premium Support (1Y, 3Y, 5Y)	BNCIVC610a-p1,3,5	BNCVC610a-p1,3,5

NextGen Control Center VC820	EMEA / International	North America
Barracuda NextGen Control Center VC820 - Global Edition	BCCIVC820a	BCCVC820a
Energize Updates (1Y, 3Y, 5Y)	BCCIVC820a-e1,3,5	BCCVC820a-e1,3,5
Premium Support (1Y, 3Y, 5Y)	BCCIVC820a-p1,3,5	BCCVC820a-p1,3,5
Additional Tenant (Range) for Barracuda NextGen Control Center VC820 (monthly)	BNCI-b1	BNC-b1

Microsoft Azure

NextGen Control Center VCC400	EMEA / International	North America
Barracuda NextGen Control Center VCC400 - Standard Edition	BNCICAZ400a	BNCCAZ400a
Energize Updates (1Y, 3Y, 5Y)	BNCICAZ400a-e1,3,5	BNCCAZ400a-e1,3,5
Premium Support (1Y, 3Y, 5Y)	BNCICAZ400a-p1,3,5	BNCCAZ400a-p1,3,5

NextGen Control Center VCC610	EMEA / International	North America
Barracuda NextGen Control Center VCC610 - Enterprise Edition	BNCICAZ610a	BNCCAZ610a
Energize Updates (1Y, 3Y, 5Y)	BNCICAZ610a-e1,3,5	BNCCAZ610a-e1,3,5
Premium Support (1Y, 3Y, 5Y)	BNCICAZ610a-p1,3,5	BNCCAZ610a-p1,3,5

Amazon Web Services (AWS)

NextGen Control Center VCC400	EMEA / International	North America
Barracuda NextGen Control Center VCC400 - Standard Edition	BNCICAW400a	BNCCAW400a
Energize Updates (1Y, 3Y, 5Y)	BNCICAW400a-e1,3,5	BNCCAW400a-e1,3,5
Premium Support (1Y, 3Y, 5Y)	BNCICAW400a-p1,3,5	BNCCAW400a-p1,3,5

NextGen Control Center VCC610	EMEA / International	North America
Barracuda NextGen Control Center VCC610 - Enterprise Edition	BNCICAW610a	BNCCAW610a
Energize Updates (1Y, 3Y, 5Y)	BNCICAW610a-e1,3,5	BNCCAW610a-e1,3,5
Premium Support (1Y, 3Y, 5Y)	BNCICAW610a-p1,3,5	BNCCAW610a-p1,3,5

Barracuda®

Version 3.1
Applies for firmware version 7.0.x

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