



MultiAppliance

*powered by*  **SECUDOS**  
APPLIANCE TECHNOLOGIES

Consolidate Barracuda  
Solutions.



# Barracuda MultiAppliance

For hyper converged infrastructures with focus on performance, flexibility, investment protection and cost reduction

IT administrators and engineers prefer to purchase “solution-in-a-box” as they only need to work with a single vendor for any issue (both hardware and software) with the solution. This means, solutions which come in an appliance are always preferred. In today's complex IT security world, a company typically needs to purchase various different security solutions to complete their security/defense needs. This will mean having to manage and maintain a rack of appliances from different security vendors. As a consequence this is driving up costs for investment, management & maintenance.

## The everyday problem

If the currently used software solution does no longer meet the requirements and has to be changed, there often is no further use for the purchased hardware on which the software was operated. The problem is that the software is tied to the hardware of the provider and therefore not suitable for a change. Typically, a replacement of the whole appliance is required. This is expensive.



## How MultiAppliance can help

Companies equipped with MultiAppliance are now able to reduce costs regarding their IT security investments. At the same time, the company enjoys a host of flexibility with allocation of resources and switching of vendors. The MultiAppliance lets the IT administrator install, host and manage all the required IT security solutions as virtual servers (VPS) on one single appliance platform.

### Even easier with the MultiAppliance-Center

Each MultiAppliance includes a pre-installed and ready-to-run Center, that allows the IT administrator to install, host, and manage almost all available Barracuda solutions (CloudGen Firewall, Secure Access Controller, Firewall Control Center, Web Application Firewall, WAF Control Center and Firewall Insights) combined in one Appliance.



ONLY AVAILABLE  
ON SECUDOS  
APPLIANCES

### The basis of MultiAppliance

All devices are delivered ready for use with the open-source virtualization platform Proxmox. Proxmox VE is a Debian-based open source virtualization platform with a web interface for running and managing virtual appliances. Proxmox combines KVM and container-based virtualization and manages virtual machines, containers, storage, virtual networks and high-availability clusters through the central management interface.



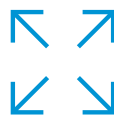
# Benefits of MultiAppliance

MultiAppliance is the all-purpose weapon when it comes to virtualization



## Investment Protection

By consolidating the applications from the traditional servers and server appliances into a MultiAppliance platform, you can rationalise your investment and achieve better utilisation rate. You have full flexibility to allocate and reassign your hardware resources (Storage, RAM, CPU) as and when required, unlike traditional server or appliance systems where the hardware resources are permanently tied to the specific software.



## Multifunctional Solution

With the MultiAppliance platform, you can host multiple applications, add new virtual servers (VPS) and install new applications on it, stop/remove applications are no longer required. All these can be executed easily from the Management Center in the MultiAppliance. For example, you can easily install two Barracuda Solutions in one Appliance, just by using the MultiAppliance-Center.

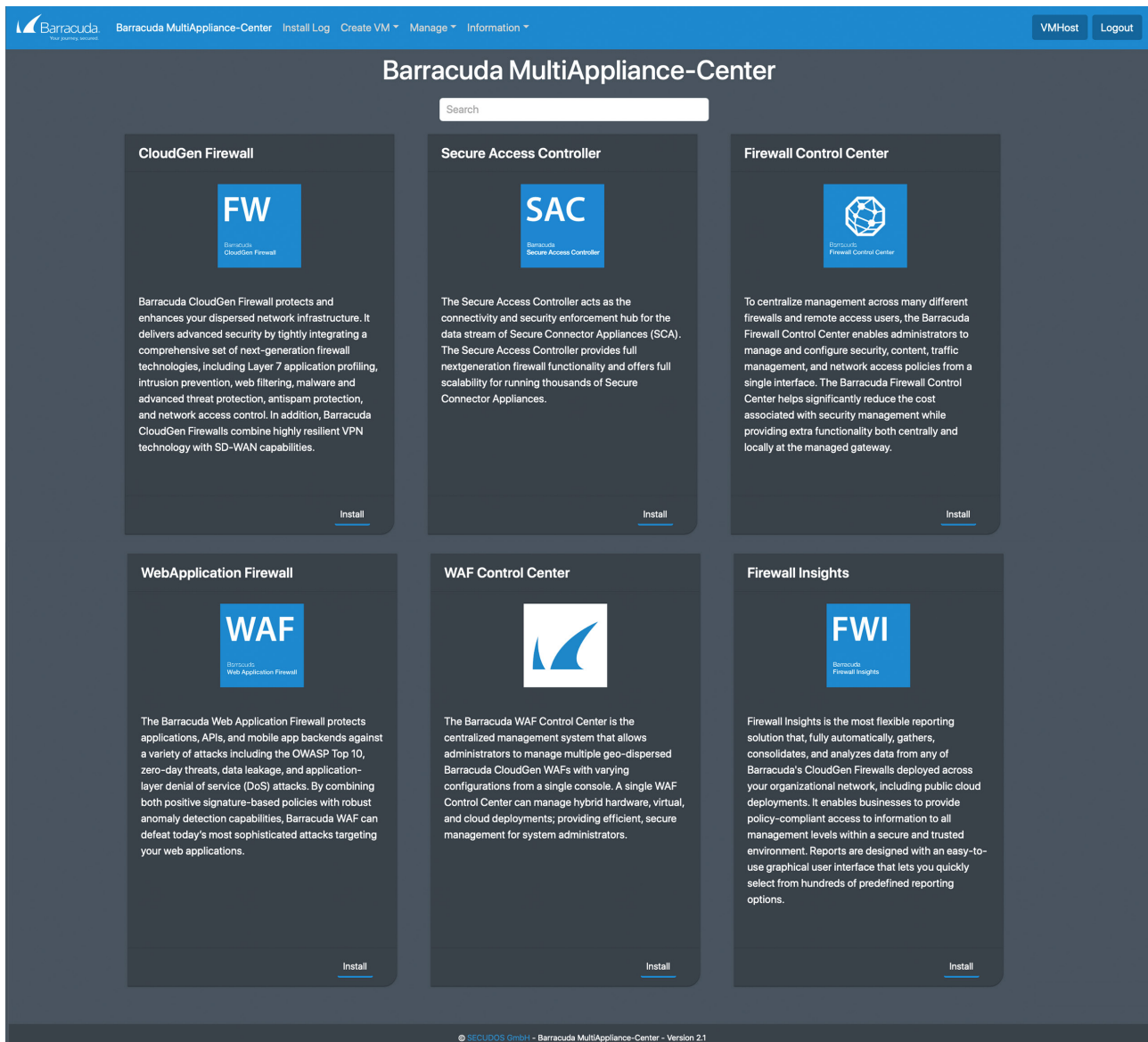


## Future-Proof Hardware

Unlike all-purpose servers, the SECUDOS Appliances are specifically designed for their purpose. The internal bus systems are designed for high data throughput and VPN performance. Crypto accelerators at the CPU level or as independent hardware options increase the throughput considerably. LCD displays and / or LEDs provide the user with up-to-date system information. Through the direct connection within the MultiAppliance, all gateway solutions are designed in such a way, that an extremely fast communication among each other is possible.

# The MultiAppliance-Center

Quickly install and operate one or more Barracuda solutions on one Appliance



The screenshot shows the Barracuda MultiAppliance-Center interface. At the top, there is a navigation bar with the Barracuda logo, the title 'Barracuda MultiAppliance-Center', and links for 'Install Log', 'Create VM', 'Manage', and 'Information'. On the right side of the navigation bar, there are buttons for 'VMHost' and 'Logout'. Below the navigation bar, the main content area is titled 'Barracuda MultiAppliance-Center' and features a search bar. The interface displays six solution cards, each with a title, a logo, a brief description, and an 'Install' button:

- CloudGen Firewall (FW):** Barracuda CloudGen Firewall protects and enhances your dispersed network infrastructure. It delivers advanced security by tightly integrating a comprehensive set of next-generation firewall technologies, including Layer 7 application profiling, intrusion prevention, web filtering, malware and advanced threat protection, antispam protection, and network access control. In addition, Barracuda CloudGen Firewalls combine highly resilient VPN technology with SD-WAN capabilities.
- Secure Access Controller (SAC):** The Secure Access Controller acts as the connectivity and security enforcement hub for the data stream of Secure Connector Appliances (SCA). The Secure Access Controller provides full next-generation firewall functionality and offers full scalability for running thousands of Secure Connector Appliances.
- Firewall Control Center:** To centralize management across many different firewalls and remote access users, the Barracuda Firewall Control Center enables administrators to manage and configure security, content, traffic management, and network access policies from a single interface. The Barracuda Firewall Control Center helps significantly reduce the cost associated with security management while providing extra functionality both centrally and locally at the managed gateway.
- WebApplication Firewall (WAF):** The Barracuda Web Application Firewall protects applications, APIs, and mobile app backends against a variety of attacks including the OWASP Top 10, zero-day threats, data leakage, and application-layer denial of service (DoS) attacks. By combining both positive signature-based policies with robust anomaly detection capabilities, Barracuda WAF can defeat today's most sophisticated attacks targeting your web applications.
- WAF Control Center:** The Barracuda WAF Control Center is the centralized management system that allows administrators to manage multiple geo-dispersed Barracuda CloudGen WAFs with varying configurations from a single console. A single WAF Control Center can manage hybrid hardware, virtual, and cloud deployments; providing efficient, secure management for system administrators.
- Firewall Insights (FWI):** Firewall Insights is the most flexible reporting solution that, fully automatically, gathers, consolidates, and analyzes data from any of Barracuda's CloudGen Firewalls deployed across your organizational network, including public cloud deployments. It enables businesses to provide policy-compliant access to information to all management levels within a secure and trusted environment. Reports are designed with an easy-to-use graphical user interface that lets you quickly select from hundreds of predefined reporting options.

At the bottom of the interface, there is a footer: © SECUDOS GmbH - Barracuda MultiAppliance-Center - Version 2.1

The Barracuda MultiAppliance-Center offers a wide range of pre-packaged Barracuda solutions that can be installed in just a few clicks - in addition to the well-known Barracuda solutions, users can easily install and host additional ISO or OVA systems. Any software can be put into operation without much effort and know-how. Save yourself a lot of worry and effort and install the desired solution with just one click.



# More Benefits

MultiAppliances offer you many more benefits, revolutionizing standard appliances



## Simple and Intuitive Administration

The MultiAppliance comes pre-installed with Proxmox and the Barracuda MultiAppliance-Center. This allows you to set up a VM to run your desired software with just a few clicks, making set up of your VM solutions quick and easy. If you were to build the Proxmox server from scratch, you will have to deal with hardware selection and matching. Handling compatibility issues and troubleshooting them will cost you a lot of time.



## Can stand almost any price comparison

The extremely powerful hardware does not only impress with flexibility and a lot of features, but also in terms of a direct price comparison with other solutions. The costs of the MultiAppliances are fairly calculated and reasonable. There are only few order items for each appliance and an attractive, tailor-made support concept.



## Energy Efficient

Instead of running individual servers for each application, by consolidating all your applications to run on the MultiAppliance, you will not only save money on your infrastructure investment but also on the cost of running the systems. The MultiAppliance will help you achieve high energy efficiency.

# MultiAppliance-Entry

The MultiAppliance-Entry is intended for home office applications or small businesses

## MultiAppliance-Entry



- ✓ Intel Atom®
- ✓ 8GB DDR4
- ✓ 1 x 240GB Intel server-grade SSD
- ✓ 1 x 64GB mSATA SSD
- ✓ 2 x USB 3.0
- ✓ 4 x GbE RJ45 ports + 2 x SFP

The MultiAppliance-Entry is suitable for SOHO (Small Office & Home Office). The Entry version of the MultiAppliance range is a desktop appliance that operates fanless and therefore very quiet. It is the smallest appliance of the family. The MultiAppliance-Entry is equipped with an Intel Atom® C3558, 8GB DDR4 RAM, a 240GB Intel server-grade SSD and a 64GB mSATA. The Entry has 4 GbE RJ45 ports, 2 GbE SFP ports and two USB 3.0 ports.



# MultiAppliance-Basic(+)

The MultiAppliance-Basic (+) is intended for medium-sized businesses with low to medium requirements

MultiAppliance-Basic	MultiAppliance-Basic+
 	 
✓ Intel® Core™ i5	✓ Intel® Xeon®
✓ 16GB DDR4	✓ 32GB DDR4
✓ 1 x 480GB Intel server-grade SSD	✓ 2 x 480GB Intel server-grade SSD
✓ 1 x 64GB mSATA SSD	✓ 1 x 64GB mSATA SSD
✓ 2 x USB 3.0	✓ 2 x USB 3.0
✓ 6 x GbE RJ45 ports	✓ 6 x GbE RJ45 ports + 2 x SFP

The MultiAppliance-Basic is offered in two configuration levels. In its entry level version, the MultiAppliance-Basic is equipped with an Intel® Core™ i5, 16GB DDR4 RAM, a 480GB Intel® server-grade SSD and a 64GB mSATA SSD. In addition, the device has an IPMI card installed. The second variant, the MultiAppliance-Basic+, uses an Intel® Xeon®, 32GB DDR4 RAM, two 480GB Intel® server-grade SSDs and also a 64GB mSATA SSD. The Plus version also uses IPMI and is especially designed for companies with higher requirements.





# MultiAppliance-Business(+)

The MultiAppliance-Business (+) is suitable for medium to large companies

## MultiAppliance-Business



✓ Intel® Xeon® E5 (10 x 2,4GHz)

✓ 128GB ECC DDR4

✓ 2 x 960GB Intel server-grade SSD

✓ 1 x 64GB CFast

✓ 8 x GbE RJ45 ports & 4 x GbE SFP+

✓ Redundant power supply

## MultiAppliance-Business+



✓ Intel® Xeon® E5 (18 x 2,1GHz)

✓ 128GB ECC DDR4

✓ 2 x 960GB Intel server-grade SSD

✓ 1 x 64GB CFast

✓ 8 x GbE RJ45 ports & 4 x GbE SFP+

✓ Redundant power supply

The MultiAppliance-Business is suitable for medium to large companies. The business version of the MultiAppliance is also available in two expansion stages. The first expansion stage is equipped with an Intel® Xeon® E5, 128GB ECC DDR4 RAM, two 960GB server-grade SSDs and a 64GB mSATA SSD. The MultiAppliance-Business also has 4 SFP + ports and a redundant power supply. The Plus version of the Business version has similar features, but includes a stronger CPU for even more compute-intensive applications and more power.



# MultiAppliance-Enterprise(+)

The MultiAppliance Enterprise(+) is suitable for large companies and corporate headquarters

## MultiAppliance-Enterprise



✓ 2 x Intel® Xeon® Silver

✓ 256GB ECC DDR4

✓ 4 x 4TB Intel NVMe SSD

✓ 1 x 64GB mSATA SSD

✓ 8 x GbE RJ45 ports & 4 x GbE SFP+

✓ Redundant power supply

## MultiAppliance-Enterprise+



✓ 2 x Intel® Xeon® Gold

✓ 640GB ECC DDR4

✓ 4 x 8TB Intel NVMe SSD

✓ 1 x 64GB mSATA SSD

✓ 8 x GbE RJ45 ports & 4 x GbE SFP+

✓ Redundant power supply

The MultiAppliance-Enterprise is suitable for large companies and corporate headquarters. The enterprise version of the MultiAppliance series is the strongest system in its range and also available as a Plus variant. In its first configuration the MultiAppliance-Enterprise is equipped with two Intel® Xeon® Silver, 256GB ECC DDR4 RAM, four 4TB Intel NVMe SSDs and a 64GB mSATA SSD. The Plus variant includes a stronger CPU (Xeon® Gold), more RAM and twice its disk space. Both Enterprise versions have 4 SFP + ports and a redundant power supply.



# Small, yet powerful

SDR-Stick is the simple way to perform a complete appliance recovery within minutes

With the SDR technology from SECUDOS you are always secure. Easy installation of the software and quick startup in case of failure are the main features. With the included SDR flash drive, you can get the system up and running within minutes.

## Fast recovery

In the case of a system failure, it must be possible to restore the IT infrastructure very fast. Just use the SDR-Stick and wait a few minutes. The new installation will be faster done than you expect.

## Installation in a class of its own

The SDR stick is not only the best choice when a complete recovery is needed, it is also very helpful while the individual initial setup and rollout of a number of appliances in projects.



## Easy handling

The SDR sticks mostly can be handled by technically unexperienced staff. Insert - Restart - Done.

## Backup included

The SDR stick does not only include all the installation files which are needed to quickly reinstall the system, but also all the metadata and basic configuration. The system will be put into operation immediately when the SDR procedure is completed.

# SECUDOS Services

At SECUDOS service is a high priority for us. Whether 3, 5 or 7 years including pre-exchange or cold standby - you decide!

## SECUDOS warranty

The standard warranty for each appliance is 12 months bring-in. With the SECUDOS warranty, you will get 12 months after the warranty bring-in service for defective appliances (max 24 months possible).

## Proxmox Software Subscription

Includes 12 months Proxmox Community Software Subscription. This gives you access to the Proxmox Enterprise Repository. Further support is available in the Community Forum (Extended Proxmox Software Support Packages upon request).

## SupportPackage

The SupportPackage includes 12 months hardware support (up to 60 months total lifetime) with guaranteed support response time within 4 hours during general office hours. In the case of an RMA, please contact our RMA team.

If the RMA case is resolved by 14:00, the replacement appliance will be shipped at the same day. You will return the defective appliance to SECUDOS after the replacement (at the latest 5 days after delivery of the replacement appliance). The cost of shipping incurred in the RMA case is shared. The customer will ship the faulty unit at its own expenses, SECUDOS will send the RMA unit to the customer for free. In addition the SupportPackage includes 12 months of Proxmox Community Software Subscription.

## SupportPackage Cluster

The SupportPackage Cluster includes all services of the SupportPackage for a complete cluster - consisting of 3 nodes from the same appliances.

(Only if you buy 3 appliances of the same type)





### **SupportPackage Plus**

The SupportPackage Plus includes 36 months hardware support (up to 60 months total lifetime) with guaranteed support response time within 4 hours during general office hours. The customer receives a Cold-Standby appliance with the SupportPackage Plus to quickly act in the RMA case. In the case of an RMA, please contact our RMA team. If the RMA team authorizes the use of the cold-standby appliance, replace the failed appliance with the cold-standby appliance. You return the defective appliance to us after the replacement (at the latest 5 days after replacement of the appliance). The shipping costs for the shipment of the defective appliance will be borne by the customer. SECUDOS will check the defective appliance upon receipt and repair it if necessary. Afterwards you get the repaired appliance back, which you then use as a cold-standby appliance. If a repair is not possible, you will receive a replacement appliance. Within the 36 months, the Cold-Standby Appliance remains the property of SECUDOS. After 36 months, the cold-standby appliance then will become the property of the customer. In addition, the SupportPackage includes 36 months of Proxmox Community Software Subscription.

### **SupportPackage Plus Cluster**

The SupportPackage Cluster includes the runtime and all SupportPackage Plus services for a complete cluster - consisting of 3 nodes from the same appliances.

(Only if you buy 3 appliances of the same type)



# Contact us

We are happy to help you with any questions

## Manufacturer

SECUDOS GmbH  
Südfeld 9C  
59174 Kamen  
Germany

## About SECUDOS

SECUDOS is an innovative and rapidly expanding appliance technology and services provider focused on IT security and compliance. As a specialist in appliance technologies, its roots date back to 1996.

## Contact

Tel .: +49 2307 28 50 53 30  
Fax .: +49 2307 28 50 53 31  
Mail: sales@secudos.de

SECUDOS is one of the pioneers in the IT appliance environment. As a quality leader, SECUDOS combines solutions from selected software providers with the highest quality appliance hardware in their products.



All information contained in these documents is subject to change without notice and should not be construed as a commitment by SECUDOS. All logos and trademarks used are the property of their registered owners.