Barracuda Encrypted Backup Appliance Hardware Specifications

https://campus.barracuda.com/doc/78153059/

Specifications subject to change without notice.

See the Barracuda Backup Data Sheet on the Barracuda Networks website for additional feature details.

This article refers to Barracuda Encrypted Backup appliances. For specifications on the Barracuda Backup appliance, see Barracuda Backup Appliance Hardware Specifications.

Secure your data against physical theft with Barracuda's hardware-encrypted purpose-built backup appliances to prevent sensitive and critical data from falling into the wrong hands if disk drives are lost or stolen.

- Barracuda Encrypted Backup allows organizations to quickly and cost-effectively deploy hardware-encrypted backup appliances in their environment to protect encrypted sources and meet regulatory requirements.
- Barracuda Encrypted Backup appliances help secure against data loss if disk drives are lost or stolen. The encrypted data on the disk drives is inaccessible when separated from the backup appliance – making sure it cannot be used maliciously when in the wrong hands.
- Barracuda Encrypted Backup appliances use hardware encryption, avoiding the significant performance and efficiency degradation that plague software-based approaches.
  - Encryption models protect data with hardware-based encryption.
  - Communication between the RAID controller and the hard disks uses AES 128-bit encryption. However, data stored on the hard disks uses AES 256-bit encryption.
  - The Barracuda Encrypted Backup appliance ships with a default security/encryption key. Once you enter a new encryption key during the initial configuration, *the key is known only to you; Barracuda cannot retrieve your key*.
  - The Barracuda Encrypted Backup appliance also provides the option to configure a power-on password for additional security.

Barracuda Encrypted Backup Model 6090, 8090, 9090, and 10090 Comparison

MODEL	6090	8090	9090	10090
CAPACITY				
Usable Storage Capacity	12 TB	24 TB	48 TB	96 TB
Recommended Environment	6 TB	12 TB	24 TB	48 TB
SPECIFICATIONS				
Form Factor	1U	2U	3U	4U

Dimensions (inches: W x H x D)	17.2 x 1.7 x 27.0	17.4 x 3.5 x 25.8	17.4 x 5.3 x 23.8	17.4 x 7.0 x 27.9
Weight (lbs)	24	48	68	105
Network Interface	2 x 1GB RJ45	2 x 10GB RJ45		
10Gb Fiber	N/A	2-port SFP+		
Disk Arrangement	4 x 6 TB	8 x 6 TB	12 x 6 TB	20 x 6 TB
Redundant Disk Array (RAID)	HW RAID 10		HW RAID 60	
Dedicated Database and OS Disks	N/A			4 x 6 TB
Redundant Disk Array (OS)	N/A			HW RAID 10
Swappable Disks	Hot Swappable			
Redundant Power Supplies	N/A	Hot Swappable		
AC Input Current (amps @ 120V)	1.3	2.5	3.4	6.4
Site-to-Site Replication	Sender/Receiver			
FEATURES				
Deployment Options	Physical Appliance, Encrypted Physical Appliance, Virtual Appliance			
Offsite Replication	Remote Physical Appliance, Remote Virtual Appliance, Barracuda Cloud Storage, Amazon Web Services (AWS)			
Management Interface	Barracuda Cloud Control Centralized Administration			
Backup Agents	Microsoft Windows (Microsoft Server, Hyper-V, Exchange, SQL), Linus, macOS			
Network Backups	Network Attached Storage (NAS)			
Host-Level Virtual Environments	VMware vSphere, Microsoft Hyper-V			
Guest-Level Virtual Environments	Citrix XenServer, Kernel-based Virtual Machine (KVM), Oracle VM, Red Hat Virtualization			
Deduplication	Global, Inline, Block-Level, Source- and Target-Based			
Rapid Recovery	LiveBoot, Cloud LiveBoot, Physical-to-Virtual (P2V), LiveBrowse			
Long-Term Retention	Offsite Vaulting to Barracuda Cloud, Export to Amazon Web Services (AWS), External Disk, Tape, Autoloader, Robotic Library			

For more information on calculating the power consumption in watts, see Barracuda Product Power Consumption in Watts.

Drive Layout

Barracuda Backup Models 990 and 995 Drive Layout

Drive 0	Drive 4	Drive 8	Drive 12
Drive 1	Drive 5	Drive 9	Drive 13
Drive 2	Drive 6	Drive 10	Drive 14
Drive 3	Drive 7	Drive 11	Drive 15

Barracuda Backup Model 1090 Drive Layout

Device Front – Connector 1

Drive 05	Drive 11	Drive 17	Drive 23
Drive 04	Drive 10	Drive 16	Drive 22
Drive 03	Drive 09	Drive 15	Drive 21
Drive 02	Drive 08	Drive 14	Drive 20
Drive 01	Drive 07	Drive 13	Drive 19
Drive 00	Drive 06	Drive 12	Drive 18

Device Back – Connector 0

Drive 02	Drive 05	Drive 08	Drive 11
Drive 01	Drive 04	Drive 07	Drive 10
Drive 00	Drive 03	Drive 06	Drive 09

Barracuda Encrypted Backup Model 8090 Drive Layout

Drive 0	Drive 2	Drive 4	Empty
Drive 1	Drive 3	Drive 5	Empty

Barracuda Encrypted Backup Model 9090 Drive Layout

Drive 0	Drive 3	Drive 6	Empty
Drive 1	Drive 4	Drive 7	Empty
Drive 2	Drive 5	Drive 8	Empty

Barracuda Encrypted Backup Model Model 10090 Drive Layout

Device Front – Connector 1

Drive 05	Drive 11	Empty	Empty
Drive 04	Drive 10	Empty	Empty
Drive 03	Drive 09	Empty	Empty
Drive 02	Drive 08	Empty	Empty
Drive 01	Drive 07	Empty	Empty
Drive 00	Drive 06	Empty	Empty

Device Back – Connector 0

Drive 02	Drive 05	Drive 08	Drive 11
Drive 01	Drive 04	Drive 07	Drive 10
Drive 00	Drive 03	Drive 06	Drive 09

Figures