



Arcserve 9000 Appliance Series Expansion and Upgrade Options

First and last line of defense against cyber-attacks, IT disasters and data loss, growing together with your business and IT.

The Arcserve® 9000 Appliance Series Secured by Sophos is the first and only means to neutralize ransomware attacks on backup data, deliver effective disaster recovery (DR) and restore data - an all-in-one data protection strategy that can be deployed in just 15 minutes flat.

Arcserve Appliances deliver a broad range of model options to satisfy the needs of any organization, and offer multiple expansion and upgrade options to keep growing with your IT and business needs.

Expansion Kits

Arcserve Appliance Expansion Kits allow you to quickly and easily add additional storage capacity and RAM to manage data growth. Simply get the kit and add the HDDs and RAM to the appliance itself – no shelves or additional hardware required!

The table below outlines the available models for optional expansion kits, and the resulting effective capacity of your appliance. Please note:

- Expansion Kit compatibility depends on the model of the appliance and the kit itself. Only the compatible models and configurations are supported and listed in the table below.
- An Expansion Kit can be installed on the appliance only once.
- Expanding appliance capacity is only possible via optional Expansion Kits supplied by Arcserve.
- If the appliance has an optional SSD Flash Expansion Kit installed, only the **highlighted** Expansion Kits can be installed in the compatible appliances.

		Expansion Kit Model	9X-48	9X-96	9X-144	9X-192	9X-216
Specs	Additional Effective Capacity (TB)		48	96	144	192	216
	Additional Usable Capacity (TB)		16 TB	32 TB	48 TB	64 TB	72 TB
	HDDs		4x8TB	6x8TB	8x8TB	10x8TB	11x8TB
	Extra RAM		64GB (4x16)				
Compatible Appliance Models	9072DR		120	168	216	264	288
	9096DR		144	192	240	288	-
	9144DR		192	240	288	-	-
	9192DR		240	288	-	-	-
	9240DR		288	-	-	-	-
	9288DR		336	384	-	-	-
	9360DR		408	-	-	-	-



SSD Flash Expansion Kit

Arcserve 9000 Appliance Series SSD Flash Expansion Kit allows you to significantly expand Disaster Recovery capabilities of your appliance to spin up copies of your production servers in case of a disaster – by delivering superior performance with enterprise-grade SAS SSDs.

You can use the Kit with UDP Virtual Standby to prepare for a spin-up of your servers when disaster strikes or server malfunction. For mission-critical servers, you can use an optional Continuous Availability to store the system replica on the SSDs. You can also create a dedicated, ultra-high performance UDP datastore on the SSD for UDP’s Instant VM functionality.

The table below outlines the available models for SSD Flash Expansion Kit, the HDD slots, and the maximum number of Kits that can be installed.

- SSD Flash Expansion Kit compatibility depends on the model of the appliance. Only the compatible models and configurations are supported and listed in the table below.
- Installing an SSD Flash Expansion Kit consumes the available HDD slots, and limits the set of compatible Expansion Kits that can be installed on the appliance.
- Installing an Expansion Kit consumes the available HDD slots, and may limit an ability to install SSD Flash Expansion Kit.
- Expanding appliance capabilities is only possible via optional kits supplied by Arcserve.

SSD Flash Expansion Kit		
Specs	SSDs	4x 3.84TB SSD Flash drives
Appliance Models	9072DR	Maximum 2 SSD Flash Expansion Kits in slots 5-8 and 9-12
	9096DR	
	9144DR	
	9192DR	Maximum 1 SSD Flash Expansion Kit in slots 9-12
	9240DR	
	9288DR	
	9360DR	



RAM Expansion Kit

Arcserve Appliances include a significant amount of RAM to satisfy most disaster recovery and backup needs.

If you have critical servers with large amounts of RAM, you can expand the RAM capacity of the appliance to spin up virtual copies of these servers in the event of hardware failure or during other local disasters.

The table below outlines the possible configurations and resulting RAM sizes. Please note:

- Arcserve Appliance RAM can be expanded only with RAM expansion kits listed below.
- To maintain maximum performance, expanded DIMMs have the same capacities and models as the RAM installed in the base model originally.
- Appliance models 9012, 9024 and 9048 have 16 DIMM slots on the dual-socket motherboard, however as these models have only one CPU installed, a maximum of 10 DIMM slots can be populated.
- Expanding appliance RAM capacity is only possible via optional RAM expansion bundles supplied by Arcserve, and only in the compatible configurations listed below.

Appliance Model	Base RAM	Usable DIMM Slots	RAM Expansion Kit	Expanded RAM Capacity		
				1 Kit	2 Kits	3 Kits
9012	48GB (6x8)	10	16GB (2x8)	64GB (8x8)	80GB (10x8)	-
9024						
9048						
9072DR	192GB (12x16)	24	64GB (4x16)	256GB (16x16)	320GB (20x16)	384GB (24x16)
9096DR						
9144DR						
9192DR						
9240DR						
9288DR						
9360DR						
9504DR	384GB (12x32)	24	128GB (4x32)	512GB (16x32)	640GB (20x32)	768GB (24x32)



RAM Upgrade Kit

Arcserve Appliances include a significant amount of RAM to satisfy most disaster recovery and backup needs.

If you have critical servers with large amounts of RAM, you can upgrade the RAM capacity of the appliance to spin up virtual copies of these servers in the event of hardware failure or during other local disasters.

The table below outlines the possible configurations and resulting RAM sizes. Please note:

- Arcserve Appliance RAM can be upgraded only with RAM Upgrade Kits described below.
- To maintain maximum performance, all DIMMs are recommended to have the same capacities and models. Adding one RAM Upgrade Kit is possible and supported for some models but may reduce performance of the appliance.
- Appliance models 9012, 9024 and 9048 have 16 DIMM slots on the dual-socket motherboard, however as these models have only one CPU installed, a maximum of 10 DIMM slots can be populated.

Appliance Model	Base RAM	Total DIMM Slots	Adding 1X Kit	Replacing RAM (Recommended)					
				1 Kit	2 Kits	3 Kits	4 Kits	5 Kits	6 Kits
9012	48GB (6x8)	10*	-	256GB (4x64)	512GB (8x64)	-	-	-	-
9024									
9048									
9072DR	192GB (12x16)	24	448GB (4x64 + 12x16)	256GB (4x64)	512GB (8x64)	785GB (12x64)	1,024GB (16x64)	1,280GB (20x64)	1,536GB (24x64)
9096DR									
9144DR									
9192DR									
9240DR									
9288DR									
9360DR									
9504DR	384GB (12x32)	24	640GB (4x64 + 12x32)						



Spares Kits

Maintenance and support for Arcserve Appliances include on-site hardware replacement support in as-fast-as four hours or on the next business day. In some situations, you may want to ensure even faster turnaround time by getting an optional Spare Kit – the set of spare parts allowing you to reduce the time to fix hardware issues further.

Spares Kits include spare HDD, SSD, RAM, power supply and a fan.

The table below outlines the contents of Spares Kits for your appliance model:

Appliance Model	HDD	SSD	RAM	Power Supply	Fan
9012	1x2TB	1x480GB	2x8GB	550W	Included
9024	1x4TB				
9048	1x8TB				
9072DR	1x8TB	1x1.92TB	2x16GB	750W	Included
9096DR					
9144DR					
9192DR					
9240DR	1x12TB	1x1.92TB	2x16GB	750W	Included
9288DR					
9360DR					
9504DR	1x12TB	1x1.92TB	2x32GB	750W	Included



Software Upgrades and Cloud Options

Your Arcserve Appliance comes bundled with proven Arcserve UDP software to ensure reliable disaster recovery and backup for all your production workloads and data. You can expand the functionality of your appliance even further by upgrading the edition of UDP software, and by adding optional high availability or cloud services.

Arcserve UDP Premium Edition upgrade enables you to add:

- Support of agentless backup and disaster recovery of Nutanix AHV
- Full support of tape devices and tape libraries connected to the appliance
- Assured Recovery testing for DR exercises with SLA reporting
- Protection for UNIX, FreeBSD, AIX, HP-UX, Solaris, Oracle Database, SAP HANA and more operating systems
- Support of HPE 3PAR, Nimble and NetApp hardware snapshots for vSphere
- Role-based administration for enhanced security

Arcserve Continuous Availability add-on provides high availability for your mission-critical systems with:

- Flexible high availability and replication scenarios
- Continuous asynchronous replication of full systems, applications and/or data to the appliance for near-zero RPO
- Automatic IP and DNS remapping
- Heartbeat monitoring with automated failover for near-zero RTO

Arcserve UDP Cloud Hybrid Secured by Sophos is off-site disaster recovery and backup (DRaaS and BaaS) services which enables you to store copies of your data and spin up your systems in the Arcserve Cloud.

The table below outlines the available upgrade and add-on options:

Appliance Model	Base Arcserve UDP Edition	Arcserve UDP Premium Edition	Arcserve Continuous Availability Add-on	Arcserve UDP Cloud Hybrid Secured by Sophos
9012	Advanced	Optional	Optional	Flexible BaaS and DRaaS options available
9024				
9048				
9072DR	Premium	Included		
9096DR				
9144DR				
9192DR				
9240DR				
9288DR				
9360DR				
9504DR				

About Arcserve

Arcserve, a global top 5 data protection vendor, provides the broadest set of best-in-class solutions to manage, protect and recover all data workloads, from SMB to enterprise and regardless of location or complexity. Arcserve solutions eliminate complexity while bringing best-in-class, cost-effective, agile, and massively scalable data protection and certainty across all data environments. This includes on-premises, cloud (including DRaaS, BaaS, and Cloud-to-Cloud), hyperconverged, and edge infrastructures. The company’s nearly three decades of award-winning IP, plus a continuous focus on innovation, means that partners and customers, including MSPs, VARs, LARs, and end-users, are assured of the fastest route to next-generation data workloads and infrastructures. A 100% channelcentric organization, Arcserve has a presence in over 150 countries, with 19,000 channel partners helping to protect 235,000 customers’ critical data assets. Explore more at arcserve.com and follow [@Arcserve](https://twitter.com/Arcserve) on Twitter.

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