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ARCSERVE APPLIANCE EXPANSION AND UPGRADE OPTIONS

Enterprise-grade disaster recovery and backup growing together with your business and IT.

The Arcserve® 9000 Appliance Series is the only complete and cost-effective disaster recovery (DR) and backup solution enabling you to deploy an all-in-one data protection strategy 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.

	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	-	-	-	-

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RAM EXPANSION KITS

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)

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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					
9288DR	1x12TB	1x1.92TB	2x16GB	750W	Included
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 Replication and High-Availability (RHA) 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 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 RHA Add-on	Arcserve UDP Cloud Hybrid
9012	Advanced	Optional	Optional	Flexible BaaS and DRaaS options available
9024	Advanced	Optional	Optional	Flexible BaaS and DRaaS options available
9048	Advanced	Optional	Optional	Flexible BaaS and DRaaS options available
9072DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available
9096DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available
9144DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available
9192DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available
9240DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available
9288DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available
9360DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available
9504DR	Premium	Included	Optional	Flexible BaaS and DRaaS options available

ABOUT ARCSERVE

Arcserve provides exceptional solutions to protect the priceless digital assets of organizations in need of full scale, comprehensive data protection. Established in 1983, Arcserve is the world's most experienced provider of business continuity solutions that safeguard multi-generational IT infrastructures with applications and systems in any location, on premises and in the cloud. Organizations in over 150 countries around the world rely on Arcserve's highly efficient, integrated technologies and expertise to eliminate the risk of data loss and extended downtime while reducing the cost and complexity of backing up and restoring data by up to 50 percent.

Explore more at **arcserve.com**