

arcserve®

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, 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 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) |



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 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](https://www.arcserve.com)