

arcserve®

# ARCSERVE APPLIANCES



## Enterprise-grade disaster recovery and backup made simple.

The Arcserve® 9000 Series Appliances 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.

Powered by award-winning Arcserve Unified Data Protection (UDP) software, the turnkey solution bundles robust server processing, flash-accelerated deduplicated storage, and high-speed networking with enterprise-grade hardware to make it easier to deliver reliable disaster recovery, assure application availability, keep up with data growth, reduce time managing backups and gain peace of mind.

Architected with cloud-native capabilities, Arcserve's appliances integrate your on- and off-site disaster recovery with built in cloud DR and backup to the Arcserve® Cloud, as well as to private and public clouds, including Amazon® AWS, Microsoft Azure®, Eucalyptus® and Rackspace®.



I booted up, plugged in, and set [Arcserve UDP Appliances] up for our environment. They were up-and-running and we had successful backups on the first day.

*Brandon Grubbs, Director of Information Technology, Randall County, Texas*



## APPLIANCES AT-A-GLANCE

- Up to **20 CPU cores** and **768GB RAM** to spin up dozens of VMs in case of failures
- Up to **504TB** effective capacity of a single appliance with up to **6PB** of backups managed via a single user interface
- Easy-to-install **Expansion Kits** to increase capacity and meet your data growth demands
- Up to **1:20** deduplication ratio and extreme, flash-accelerated deduplication performance with enterprise-grade SAS HDDs and SSDs
- 12Gbps RAID** cards with 2GB NV cache and redundant hot-swap power supplies for high-performance and reliability
- On-site support** in as little as **4 hours** for peace of mind



## KEY FEATURES

### Disaster Recovery and Backup Made Simple

- Implement quick disaster recovery for physical servers and cloud Windows / Linux instances.
- Spin up dozens of VMs on the appliance with up to 20 cores on Intel Xeon CPUs and up to 768GB DDR4-2400Mhz RAM.
- Protect VMware, Hyper-V, RHEV, KVM, Nutanix AHV, Citrix and Xen VMs with agentless and agent-based backup.
- Back up and recover Microsoft Office 365, UNIX, FreeBSD, AIX, HP-UX, Solaris, Oracle Database, SAP HANA and more.
- Eliminate downtime entirely with the optional Arcserve Replication and High Availability (RHA) add-on for high availability with failover and failback.

### Scale Without Limitations

- Enable business and IT growth with 11 configuration options, from 12TB to 504TB effective capacity per appliance.
- Manage up to 6PB of backups and up to 12 appliances via a single interface.
- Expand original capacity by up to 4 times with in-field, in-appliance Expansion Kits.
- Scale to the cloud with fully-integrated Arcserve UDP Cloud Hybrid.
- Reduce backup storage requirements up to 95% with built-in SSD drives and efficient global deduplication.

### Reduce Time Spent Managing DR & Backups

- Quickly install a “set it and forget it” disaster recovery and backup solution in under 15 minutes.
- Protect hundreds of systems with scalable, policy-based disaster recovery and backup management.
- Integrate with existing Arcserve software deployments – no extra licenses required.
- Reclaim up to 50% more time to spend on strategic IT initiatives.
- Inform business and IT stakeholders with SLA reporting with RTO and RTA (actual) comparisons.

### Gain Peace of Mind

- Recover Windows and Linux across hardware, cloud and hypervisors.
- Obtain on-site hardware support in as little as 4 hours.
- Enjoy unparalleled ease of deployment and usability with simple, wizard-driven setup.
- Validate your RTOs, RPOs, and SLAs with Assured Recovery™ testing.
- Assure security of data and systems in-flight and at-rest with built-in AES/SSL encryption and TLS 1.2.



We can manage the Arcserve UDP Appliance remotely via a single dashboard. This also makes it very quick and easy to recover lost files without impacting the IT team.

*Tom Eriksson, Security Manager, KD Soft, Finland*



### Send Your Data Anywhere

- Store your backups off-site in the Arcserve Cloud, private or public clouds, including Amazon® AWS, Microsoft Azure®, Eucalyptus® and Rackspace®.
- Spin up your systems for DR in the Arcserve Cloud, private clouds, Amazon AWS or Microsoft Azure.
- Reduce the need for dedicated bandwidth with built-in, WAN-optimized backup replication.
- Send copies of your sensitive data and systems off-site with proven tape drive and tape library integration.



# FLEXIBLE DEPLOYMENT

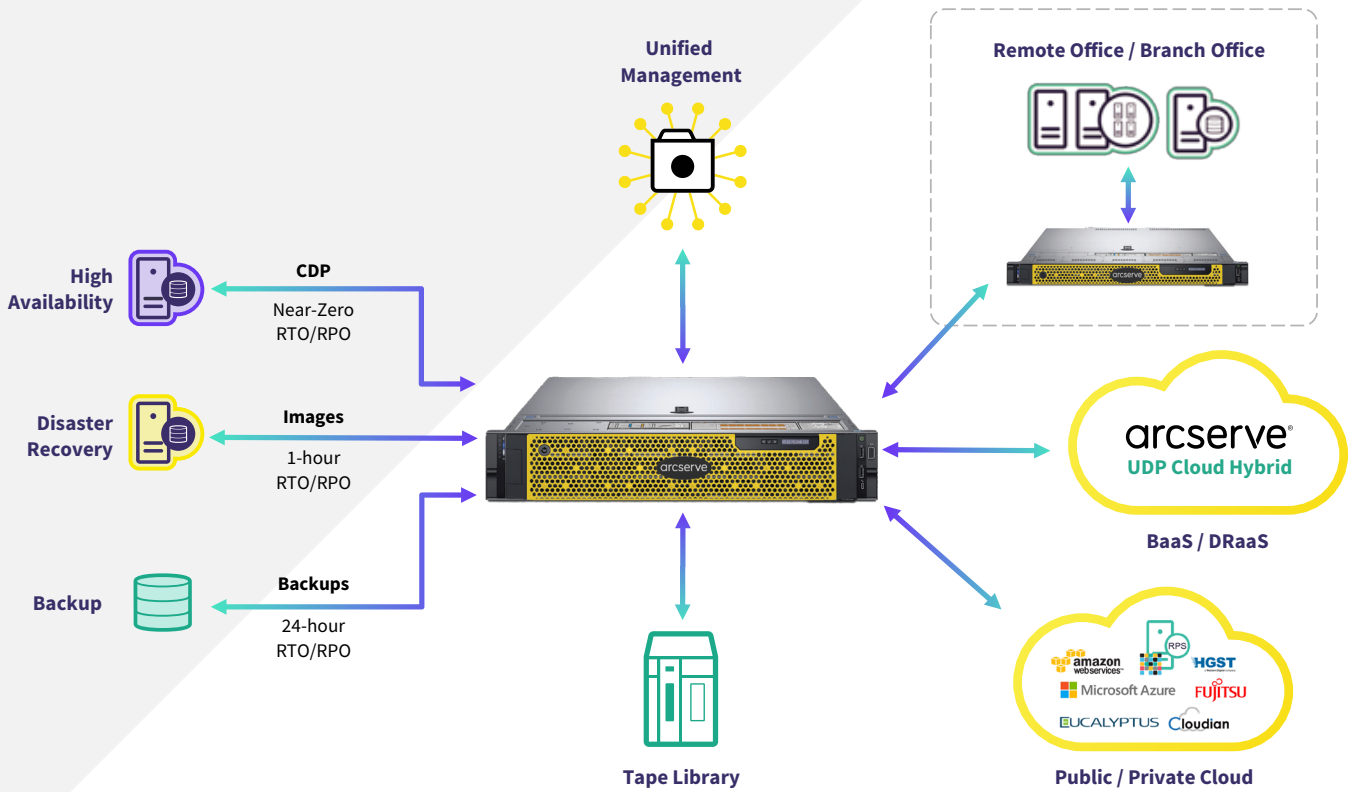
Businesses of all sizes leverage Arcserve Appliances to streamline a wide variety of deployment scenarios:

- **Single-site protection** for physical or virtual systems, including x86 and non-x86
- **Primary site protection** combined with copy to Arcserve Cloud
- **Cross-site protection** between two sites
- **Central appliance site** with multiple branch offices
- **Hybrid deployment** with a combination of on-premises local, remote and cloud systems



Thanks to Arcserve’s deduplication capabilities, our existing storage estate can accommodate backups for the next few years, so we didn’t need to invest in any additional hardware.

*Mr. Taha Bhajjee, System Analyst,  
Admirals Trading LLC, United Arab Emirates*



# PERFORMANCE

Businesses of all sizes leverage Arcserve Appliances to streamline a wide variety of deployment scenarios:

- The Arcserve Appliance models 9012, 9024 and 9048 deliver up to **20 TB/hour** throughput based on global source-side deduplication with a 98% deduplication ratio
- The Arcserve Appliance models 9072DR, 9096DR, 9144DR, 9192DR, 9240DR, 9288DR, 9360DR and 9504DR deliver up to **76 TB/hour** throughput based on global source-side deduplication with a 98% deduplication ratio



	9012	9024	9048	9072DR	9096DR	9144DR	9192DR	9240DR	9288DR	9360DR	9504DR
<b>Effective Capacity (TB)<sup>1</sup></b>	12	24	48	72	96	144	192	240	288	360	504
<b>Maximum Effective Capacity with expansion kit (TB)<sup>1</sup></b>	N/A	N/A	N/A	288					384	408	N/A
<b>Maximum Effective Managed Capacity<sup>2</sup></b>	72	144	288	3456					4896	6048	
<b>Form Factor</b>	1U			2U							
<b>Base RAM</b>	48GB (6x8)			192GB (12x16)							384GB (12x32)
<b>Max RAM</b>	176GB			384GB							768GB
<b>SSD</b>	1x 480GB			2x 1.9TB (RAID1)							
<b>CPU</b>	Intel® Xeon® Silver 4108			Dual Intel® Xeon® Silver 4114 2.2G							
<b>RAID Controller</b>	PERC H730P Low Profile, 2GB NV Cache			PERC H730P Minicard, 2GB NV Cache							
<b>RAID Configuration</b>	RAID5			RAID6							
<b>Drive Bays</b>	3xHDD, 1xSSD			16xHDD, 2xSSD							
<b>SAS 12G HDD</b>	3x2TB	3x4TB	3x8TB	5x8TB	6x8TB	8x8TB	10x8TB	12x8TB	10x12TB	12x12TB	16x12TB
<b>Usable Capacity</b>	4TB	8TB	16TB	24TB	32TB	48TB	64TB	80TB	96TB	120TB	168TB
<b>Optional Expansion Kits</b>				✓	✓	✓	✓	✓	✓	✓	
<b>DIMM Slots</b>	10 <sup>3</sup>			24							
<b>Broadcom 5720 1GB LAN Ports</b>	2 on-board (+4 optional)			4 on-board							
<b>SAS 12GBps HBA External Controller</b>	Optional			Included							
<b>Intel X550 Dual Port 10G Base-T Adapter</b>	Optional									Included	
<b>Intel X710, Dual Port 10G SFP+ FC Adapter</b>	Optional										
<b>QLogic 2692 Dual Port 16Gb Fibre Channel HBA</b>	Optional										
<b>Remote Hardware Management</b>	iDRAC 9 Enterprise										
<b>Power Supplies</b>	Dual, Hot-Plug, Redundant Power Supply (1+1), 550 W			Dual, Hot-Plug, Redundant Power Supply (1+1), 750 W							
<b>Weight</b>	53lbs (24kg)			75lbs (34kg)							
<b>In-rack Dimensions<sup>4</sup></b>	25.9" x 17.1" x 1.7" (65.7 cm x 43.4 cm x 4.3cm)			26.7" x 17.1" x 3.4" (67.9 cm x 43.4 cm x 8.7cm)							
<b>Outer Dimensions<sup>5</sup></b>	28.7" x 19.0" x 1.7" (72.9 cm x 48.2 cm x 4.3cm)			29.6" x 19.0" x 3.4" (75.1 cm x 48.2 cm x 8.7cm)							
<b>Packaging Dimensions</b>	36" x 23" x 10" (92cm x 59cm x 25cm)			38" x 26" x 12" (97cm x 66cm x 30cm)							

<sup>1</sup> Effective capacity takes global source deduplication into account and is equal 3x the usable capacity. Actual backup capacity may vary, depending on data types, backup type and schedule, as well as other factors.

<sup>2</sup> Maximum Effective Managed capacity of backups managed from a single management console connected to up to six identical stacked appliance models 9012-9048, and up to twelve identical stacked appliance models 9072DR-9504DR, with largest available expansion kits

<sup>3</sup> Appliance models 9012, 9024 and 9048 have 16 DIMM slots on the dual-socket motherboard, however as these models have only one CPU installed, maximum 10 DIMM slots can be populated.

<sup>4</sup> In-rack dimensions exclude bezel, front panel and power supply handles.

<sup>5</sup> Outer dimensions include bezel, front panel and power supply handles.

## 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. Arcserve is headquartered in Minneapolis, Minnesota with locations around the world.

Explore more [arcserve.com](https://www.arcserve.com)