arcserve®

Arcserve Appliances 9000 Series Secured by Sophos

First and last line of defense against cyber-attacks, IT disasters and data loss.

The Arcserve® 9000 Appliance Series 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.

Powered by award-winning Arcserve Unified Data Protection (UDP) and Sophos Intercept X cybersecurity, Arcserve Appliances uniquely combine deep learning endpoint protection with onsite and offsite business continuity capabilities for a multilayered approach that delivers complete IT resiliency.

Architected with cloud-native capabilities, Arcserve 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®, Nutanix® Objects, 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, United States

Appliances At-a-Glance

- Up to **20 CPU** cores and **1,536GB 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
- Up to **20:1** deduplication ratio and extreme, flash-accelerated deduplication performance with enterprise-grade SAS HDDs and SSDs
- Easy-to-install **Expansion Kits** to increase capacity and meet your data growth demands

- **12Gbps RAID** cards with 2GB NV cache and redundant hot-swap power supplies for high-performance and reliability
- **Sophos Intercept X Advanced for Server** included to defend backups from ransomware, malware and hacker attacks
- **On-site support** in as little as **4 hours** for peace of mind

Key Features

Ransomware Prevention Made Simple

- Implement quick disaster recovery for physical servers and cloud Windows / Linux instances.
- 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, protecting your entire IT infrastructure from ransomware.
- Spin up dozens of VMs on the appliance with up to 20 cores on Intel Xeon CPUs, up to 1,536GB DDR4 RAM, and optional SSD flash expansion kits.

Secure Your Backups from Any Threat

- Keep your data and system backups safe with Sophos Intercept X Advanced for Server, preloaded and shipped on Arcserve Appliances.
- Stay protected against any threat, including unknown malware, with a deep learning neural network combined with signature-based protection from common threats.
- Prevent major hacking techniques, including credential harvesting, lateral movement and privilege escalation with exploit prevention.
- Stop ransomware attacks on backup data with CryptoGuard and master boot record attacks with WipeGuard.

Scale Without Limitations

- Enable safe business and IT growth with 11 configuration options that range from 12TB to 504TB of effective capacity per appliance.
- Keep up with data growth by expanding original capacity by up to four times with in-field, in-appliance Expansion Kits.
- Seamlessly scale up and out to the cloud with fully integrated hybrid cloud services.
- Reduce backup storage requirements up to 95% with built-in SSD drives and hyper-efficient global deduplication.

Eliminate Ransomware-induced IT Disruptions

- Quickly install the only "set it and forget it," multi-layered anti-ransomware solution, proven to be deployable in under 15 minutes.
- Protect hundreds of systems with scalable, policy-based disaster recovery and backup management.
- Reclaim up to 50% more time to spend on strategic IT initiatives.
- Keep business and IT stakeholders informed with SLA reporting that includes recovery time objective (RTO) and recovery time actual (RTA) comparisons.

Gain Peace of Mind

- Remove the "do it yourself" complexity of orchestrating a cohesive data protection and cyber security strategy with one solution, from one vendor for backup, disaster recovery, high availability, security, hardware and cloud services.
- Recover data and Windows/Linux systems across hardware, cloud and hypervisors.
- Experience unparalleled ease of deployment and usability with a simple, wizard-driven setup.

Protect from Major Disasters

- Benefit from cloud economies of scale by storing backups and rapidly spinning up systems off-site in the Arcserve Cloud or private and public clouds, including Amazon® AWS, Microsoft Azure®, Eucalyptus® and Rackspace®.

- 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.
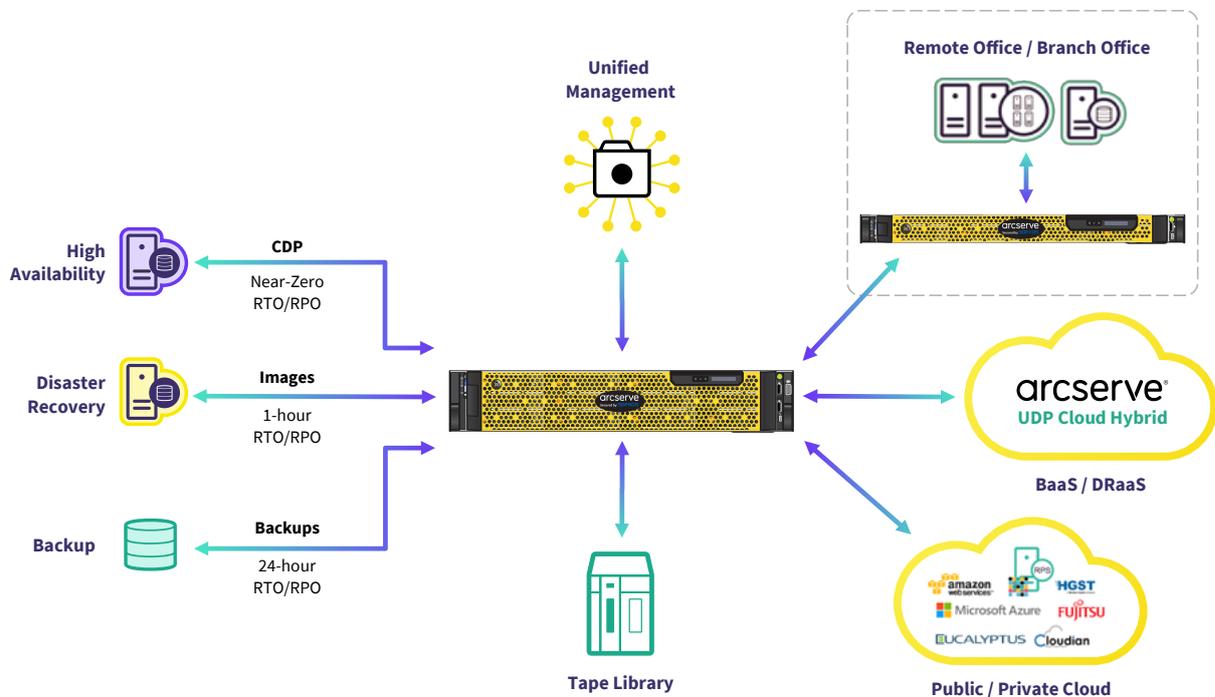
> *"Thanks to Arcserve's deduplication capabilities, our existing storage estate can accommodate backups for the next few years, so we didn't need to invest in any additional hardware."*
>
> *- Mr. Taha Bhaijee, System Analyst, Admirals Trading LLC, United Arab Emirates*

Flexible Deployment

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

- **Single-site disaster recovery and backup** for physical or virtual systems, including x86 and non-x86
- **Primary site backup** with a copy to Arcserve Cloud for off-site disaster recovery
- **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

Performance

Arcserve Appliances streamline your environment with a wide variety of deployment scenarios, including single-site, primary site, cross-site, central appliance site, and a hybrid combination of on-premises local, remote, and cloud systems. Each appliance is a self-contained, "set and forget" disaster recovery and backup solution architected with cloud-native capabilities, global source-based deduplication, multi-site replication, tape integration and automated data restore capabilities.

Its performance is unmatched, with models 9012, 9024 and 9048 delivering up to 20 TB/hour throughput based on global source-side deduplication with a 98% deduplication ratio. 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
Effective Capacity (TB)[1]	12	24	48	72	96	144	192	240	288	360	504
Maximum Effective Capacity with expansion kit (TB)[1]	N/A	N/A	N/A	288					384	408	N/A
Maximum Effective Managed Capacity[2]	72	144	288	3456						4896	6048
Form Factor	1U			2U							
Base RAM	48GB (6x8)			192GB (12x16)							384GB (12x32)
Optional RAM Expansion Kits	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Max RAM	512GB			1,536GB							
SSD	1x 480GB			2x 1.9TB (RAID1)							
CPU	Intel® Xeon® Silver 4208 CPU@2.10GHz			Dual Intel ® Xeon® Silver 4114 2.2G							
RAID Controller	PERC H730P Low Profile, 2GB NV Cache			PERC H730P Minicard, 2GB NV Cache							
RAID Configuration	RAID5			RAID6							
Drive Bays	3xHDD, 1xSSD			16xHDD, 2xSSD							
SAS 12G HDD	3x2TB	3x4TB	3x8TB	5x8TB	6x8TB	8x8TB	10x8TB	12x8TB	10x12TB	12x12TB	16x12TB
Usable Capacity	4TB	8TB	16TB	24TB	32TB	48TB	64TB	80TB	96TB	120TB	168TB
Optional SSD Flash and HDD Expansion Kits				✓	✓	✓	✓	✓	✓	✓	
DIMM Slots	10[3]			24							
10GB Base-T LAN Ports	2 on-board (Broadcom 57416 LOM)			4 included (Intel X550 RNDC)							
SAS 12GBps HBA External Controller	Optional			Included							
Intel X550 Dual Port 10G Base-T Adapter	Optional										
Intel X710 Dual Port 10G SFP+ FC Adapter	Optional										
Broadcom 57414 Dual Port 25GB SFP28 FC Adapter	Optional										
QLogic 2692 Dual Port 16Gb Fibre Channel HBA	Optional										
Remote Hardware Management	iDRAC 9 Enterprise license included										
Power Supplies	Dual, Hot-Plug, Redundant Power Supply (1+1), 550 W			Dual, Hot-Plug, Redundant Power Supply (1+1), 750 W							
Heat Dissipation	2,559 BTU/hr			2,891 BTU/hr							
Weight	53lbs (24kg)			75lbs (34kg)							
In-rack Dimensions[4]	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)							
Outer Dimensions[5]	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)							
Packaging Dimensions	36" x 23" x 10" (92cm x 59cm x 25cm)			38" x 26" x 12" (97cm x 66cm x 30cm)							

[1] 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.
[2] 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
[3] 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.
[4] In-rack dimensions exclude bezel, front panel and power supply handles.
[5] 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 at arcserve.com