

# Arcserve X Series Appliances Secured by Sophos

**Scalable, first and last line of defense against cyber-attacks, IT disasters and large-volume data loss.**

Arcserve® X Series Appliances deliver an all-in-one data and ransomware protection strategy with multi-petabyte scalability with a complete means to neutralize ransomware attacks, restore large amounts of data and perform effective disaster recovery (DR).

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

Architected with cloud-native capabilities, Arcserve X Series Appliances integrate your on- and off-site backup for large data volumes, rapid restore 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®.

## X Series At-a-Glance

- Over **3PB** effective capacity in a single appliance for complete protection of large data sets from ransomware
- **56 CPU cores** and **1TB RAM** (expandable to 2TB) to spin up dozens of VMs in case of failures
- Up to **20:1** deduplication ratio and extreme, flash-accelerated deduplication performance with enterprise-grade SAS HDDs and NVMe SSDs
- **Linear expansion** capabilities to increase capacity and meet your data growth demands
- **Multiple redundancies** for advanced resilience, including hot-swap power supplies
- **Sophos Intercept X Advanced for Server** integrated to defend all backups from ransomware and hacker attacks
- **On-site support** in as little as **4 hours** for peace of mind



*"I booted up, plugged in, and set [Arcserve 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*

## Key Features

### Ransomware Prevention Made Simple

- Implement secure backup for large data sets and DR for physical servers and cloud Windows / Linux instances.
- Back up and recover data from SQL Server, Exchange, File Servers, NAS, SAN, Oracle Database, UNIX, FreeBSD, AIX, HP-UX, Solaris, Oracle Database, SAP HANA and more, protecting it from ransomware.
- Protect VMware, Hyper-V, RHEV, KVM, Nutanix AHV, Citrix and Xen VMs with agentless and agent-based backup.
- Spin up dozens of VMs on the NVMe flash-based appliance with 56 cores on Intel Xeon CPUs and 1TB of DDR4-3200MHz RAM.



### Secure Your Backups from Any Threat

- Keep your data and system backups safe with Sophos Intercept X Advanced for Server, preloaded and shipped on the Arcserve X Series 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 five configuration options that range from 352TB to more than 1056TB of available disk capacity per appliance.
- Keep up with data growth by expanding original capacity 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 by up to 95% with built-in NVMe SSD flash drives and hyper-efficient global deduplication.

### Eliminate Ransomware-Related IT Disruptions

- Implement the market's only "set it and forget it," multi-layered anti-ransomware solution, quickly deployable to protect large data volumes.
- Protect petabytes of data and hundreds of systems with scalable, policy-based backup and DR 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, DR, high availability, security, hardware, and cloud services
- Recover large amounts of 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 with Arcserve UDP Cloud Hybrid Secured by Sophos, or by utilizing integration with 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"***

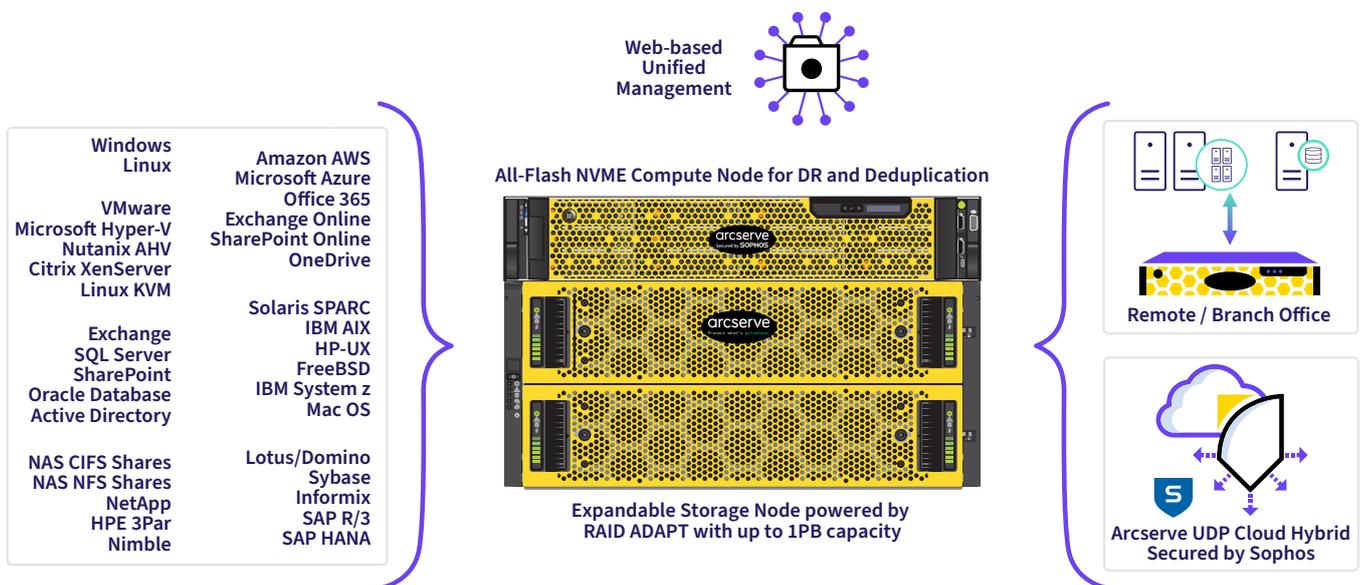
*- Mr. Taha Bhaijee, System Analyst, Admirals Trading LLC, United Arab Emirates*



## Flexible Deployment

Businesses of all sizes leverage Arcserve X Series 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



## Performance

Arcserve X Series 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, delivering up to 281 TB/hour throughput based on global source-side deduplication with a 98% deduplication ratio.



	X1000DR	X1500DR	X2000DR	X2500DR	X3000DR
Effective Capacity (TB) <sup>1</sup>	1,056	1,584	2,112	2,640	3,168
Maximum Effective Capacity with Expansion Kits (TB) <sup>1</sup>	3,168				
Disk Imaging and Disaster Recovery Software	Arcserve UDP Premium Edition included				
Tape Integration Software	Arcserve Backup included				
Cybersecurity Software	Sophos Intercept X Advanced for Server included				
Continuous Availability with Automated Failover	Arcserve Continuous Availability optional				
Optional Cloud Backup and Disaster Recovery Add-on	Arcserve UDP Cloud Hybrid Secured by Sophos				
<b>Compute Node</b>					
CPU	Dual Intel Xeon Gold 6258R 2.7G, 28C/56T, 10.4GT/s, 38.5M Cache, Turbo, HT (205W)				
Default RAM	1,024 GB (16 x 64) DDR4-3200 RDIMM				
Max RAM	2,048 GB				
DIMM Slots	24				
NVMe SSD	2 x 1.6TB (RAID-1) and 6 x 4TB (RAID-5)				
Drive Bays	24x 2.5" Enterprise NVMe SSD				
SAS 12Gbps HBA External Controller	2x Included				
Intel X550 Quad Port 10G Base-T Adapter	Included				
Broadcom 57414 Dual Port 25Gb SFP28 Adapter	Optional				
Intel X710 Dual Port 10G SFP+ FC Adapter	Optional				
QLogic 2692 Dual Port 16Gb Fibre Channel HBA	Optional				
Remote Hardware Management	iDRAC Enterprise Included				
Power Supplies	Dual, Hot-plug, Redundant Power Supply (1+1), 1100W				
Heat Dissipation	4100 BTU/hr				
Weight	75lbs (34kg)				
Form Factor	2U				
In-rack Dimensions <sup>2</sup>	26.7" x 17.1" x 3.4" (67.9 cm x 43.4 cm x 8.7cm)				
Outer Dimensions <sup>3</sup>	29.6" x 19.0" x 3.4" (75.1 cm x 48.2 cm x 8.7cm)				
Packaging Dimensions	38" x 26" x 12" (97cm x 66cm x 30cm)				
<b>Storage Node</b>					
16TB SAS 12G Hot-Plug HDD	28	42	56	70	84
Minimum Usable Capacity	352	528	704	880	1056
Linear Expansion Capability with Optional Kits	✓	✓	✓	✓	
RAID Level	RAID-ADAPT				
RAID Controller	Dual 8-port SAS 12Gb Controller				
Hot-spare space on HDDs	Up to 64 TB				
Power Supplies	Dual, Redundant (1+1), 2200W				
Heat Dissipation	7507 BTU				
Weight	From 141lbs (64kg) to 298lbs (135kg)				
Form Factor	5U				
Outer Dimensions <sup>3</sup>	38.31" x 19.01" x 8.75" (97.47cm x 48.30cm x 22.23cm)				

1. Effective capacity takes global source deduplication into account and is approximately 3x the usable capacity of the HDDs, not counting SSDs. Actual backup capacity may vary, depending on data types, backup type and schedule, as well as other factors.

2. In-rack dimensions exclude bezel, front panel, and power supply handles.

3. 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.

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

