

Data Protection for Physical and Virtual Environments

Arkeia Backup and Disaster Recovery Appliances provide reliable and easy-to-use data protection. The Arkeia Appliances provide a scalable solution ideal for environments with minimal IT staff, such as remote or branch offices (ROBO). The appliances deliver fast data backup and recovery, centralized management, and ease-of-use—all at an affordable cost.

With matched processor, memory, and storage, each appliance provides a carefully tuned platform for Arkeia Network Backup software. This integration makes deployment rapid, operation reliable, and management easy.

Six Appliance Models

Six models of the 2U appliance are available with raw disk capacities ranging from 2TB to 24TB. Most appliances are field-upgradeable. All offer either RAID-1 or RAID-6 for secure data storage. Two models include an internal LTO-4 tape drive. All models offer extensive external connectivity, including eSATA, SAS, SCSI, iSCSI, or Fibre Channel, which allow for external tape libraries, autoloaders, and virtual tape libraries.

Enterprise-Class Data Protection

The Arkeia appliances feature Arkeia Network Backup v9 software, which can protect the four major virtual environments (VMware vSphere; Microsoft Hyper-V; Citrix XenServer; and Red Hat Enterprise Virtualization) and over 200 physical platforms including AIX, BSD, HP-UX, Linux, MacOS, Netware, Solaris, and Windows computers.

The backup appliances work seamlessly with all Arkeia backup agents, Replication Servers, Central Man-

agement Servers, Disaster Recovery ISOs, and the Encryption Option. Arkeia agents allow hot-backups of databases (IBM DB2; Oracle; MySQL; PostgreSQL; Microsoft SQL Server), applications (Microsoft Exchange, SQL Server, SharePoint; Novell Groupwise; IBM Lotus/Domino), and directories (Microsoft Active Directory; Novell eDirectory; LDAP).

Integrated Protection for VMware

The appliances supply everything necessary to protect vSphere 4 or 5 environments. The appliances embed VMware's vStorage APIs for Data Protection (VADP) for direct backup of single virtual machines, entire hypervisors, or multi-platform vCenter deployments.

Arkeia leverages vSphere's Changed Block Tracking (CBT) and Arkeia's global data deduplication to reduce storage requirements and to accelerate backups and restores. Arkeia offers both full-image and file-grain restores.

Easy Off-site Storage

Arkeia appliances simplify off-site storage, either via tapes or via replication to cloud storage. Local backups keep backup windows short and allow rapid recovery of individual lost files or full virtual machine images. Moving backups off-site protects against theft and natural disaster. Arkeia's patented, industry-leading Progressive Deduplication™ technology dramatically shrinks data to reduce the cost moving backup sets off-site.

Replication to cloud storage is easy, either to private cloud destinations or to public cloud storage (e.g. Amazon).



Arkeia Appliance Model R220-LTO

Easy 3-Step Configuration

1. Mount the appliance; connect to the network; power-up.
2. Set the appliance IP address.
3. Point a Web browser at the appliance and begin backup.

Downloads

Download a 30-day free trial of Arkeia Network Backup as software or virtual appliances. Evaluate backup servers, agents, and disaster recovery products.

<http://www.arkeia.com/testdrive>

Documentation & Support

Arkeia provides complete documentation on-line. Evaluators can sign up for technical support during their software evaluation.





<http://wiki.arkeia.com>

Demonstrations

See Flash video demos of Arkeia Software products.

<http://www.arkeia.com/demo>

Arkeia Backup & Disaster Recovery Appliances Overview

						
Available Models			R120 Series	R220 Series	R320 Series	R620 Series
STORAGE	Disk Storage Capacity	Number of Drive Bays	2	2, 4 or 6	6 or 12	6 or 12
		Raw Capacity ²	2TB	4, 8 or 12TB	12 or 24TB	12 or 24TB
		Field Upgradable	—	Yes	Yes	Yes
		Useable After RAID ²	1TB	2, 4 or 6TB	8 or 16 TB	10 or 20 TB
		Effective After Dedupe ^{1 2}	5TB	10, 20, or 30 TB	40 or 80 TB	50 or 100 TB
	Disk Redundancy		RAID 1	RAID 1	RAID 6	RAID 6
	Internal LTO-4 Tape Drive		Optional	Optional	—	—
	Solid State Drive (SSD)		—	—	—	Included
SOFTWARE	Backup Software		Arkeia Network Backup Version 9			
	Disk-to-Disk-to-Tape Included in		R120-LTO	R220-LTO	—	—
	Bundled Licenses for Backup Agents		10	20	30	60
	Licenses for Hot Backup of Databases, Applications, and Directory Servers		Optional	Optional	Optional	Optional
	Deduplication: Source (S) or Target (T)		Optional (S)	Optional (S & T)	Included (S & T)	Included (S & T)
	Replication Licenses		Optional		1 Destination & 1 Source	
CONNECTIVITY	Network Interfaces	Data / Control	2 x 1 Gb/s	2 x 1 Gb/s	4 x 1 Gb/s	4 x 1 + 2 x 10 Gb/s
		IPMI Port	Shared	Dedicated	Dedicated	Dedicated
	External Interfaces	USB	Included	—	—	—
		eSATA	Included	—	—	—
		SCSI	Optional	Included	Included	Included
		SAS	—	Optional	Included	Included
		Fibre Channel (8Gb/s)	—	—	Optional	Optional
HARDWARE	Form Factor		2U-Tabletop with Rack-Mount Option	2U-Rack-Mount	2U-Rack-Mount	2U-Rack-Mount
	Disk Type		Anti-vibration	Anti-vibration	Anti-vibration	Anti-vibration
	Weight		29 lbs. (13 kg)	55 lbs. (25 kg)	57 lbs. (26 kg)	62 lbs. (28 kg)
	Dimensions	Depth	17 in (43cm)	25.5 in (65cm)	25.5 in (65cm)	25.5 in (65cm)
		Width	17 in (44cm)	17 in (44cm)	17 in (44cm)	17 in (44cm)
		Height	3.5 in (9cm)	3.5 in (9cm)	3.5 in (9cm)	3.5 in (9cm)
	Power Supply	Capacity	300W	650W	800W	800W
		Configuration	Single	Single	Dual	Dual
		Auto-sensing Voltages	115-230v	115-230v	115-230v	115-230v
		Redundancy	—	—	Hot-swappable	Hot-swappable
Maintenance & Hardware Warranty	Included	1 Year				
	Renewed Annually	Up to 3 Years				
	Purchased with Appliance	Up to 5 Years				

¹ Estimated deduplication compression multiplier // ² Following standard SI usage, 1TB=10¹² bytes”