



Active Archive Appliance™

K E Y F E A T U R E S

- **Turnkey Appliance.** Includes all required hardware and software
- **Online.** Archived data remains easily accessible over the network
- **Searchable.** Find infrequently accessed files in seconds
- **Permanent.** Store your data on native WORM media for 50+ years
- **Standards Based.** Avoid proprietary formats and costly vendor lock-in
- **Scalable.** Incrementally add capacity with growing storage requirements
- **Removable.** Store a copy of data offsite for disaster recovery
- **Cost Effective.** Free up primary storage and reduce backup/restore time for immediate payback

Fixed Content Archive

Free up expensive primary storage, dramatically reduce backup/restore times, and allow users near-line access to data by archiving large, infrequently accessed files on cost-effective PowerFile solutions.

Email Archive

Comply with Sarbanes-Oxley, SEC Rule 17a-3 & 4, NASD Rule 3110 & 6954 and 21 CFR Part 11. PowerFile active archive solutions have been proven to offer secure, cost-effective permanent storage in many different email environments.

CAD/Graphics Archive

Archive CAD drawings, TIFF Images, InDesign documents, Photoshop files, and any other type of artwork. Powerfile offers a robust, secure, nearline platform for data intensive organizations.

Changing Environment Requires Active Archiving

Sarbanes-Oxley, HIPAA, recent SEC rules, and other regulations have had a profound impact on data archiving. Organizations today need to retain a greater volume of digital content and assets than at any time in history. In some cases, data must be kept safe for decades. Most critically, archived records must be readily accessible and produced upon demand in a matter of hours. Unfortunately, conventional methods of archiving no longer meet these new requirements.

Disk-based, nearline systems provide fast access, but the nominal life span for disk-based information is just three to five years. With the amount of data doubling every 6 to 18 months, simply buying more and more disk storage is not economically feasible.

Tape systems, while useful for backup of short-term dynamic content, are difficult to search, making quick retrieval of specific files nearly impossible.

Archiving Made Easy

The Active Archive Appliance (A3) makes archiving easy by delivering a turnkey appliance solution. It is easy-to-install, non-disruptive, and comes with all of the components required for archiving high-value fixed content including:

- Archive engine
- Patented media libraries
- ArcOS policy manager software
- Virtualized back end storage
- Standard network access
- Browser based management

Disk



- + Rapid Access
- + Searchable
- High TCO
- Short Lifespan

Tape



- + Removable
- Offline, No Search
- Slow Access
- Proprietary Format
- Intermediate Lifespan



- + Rapid Access
- + Long Lifespan
- + Online of Offline
- + Cost Effective
- + Standard Format
- + Removable

Because the A3 presents itself as standard network share, it works with existing Information Lifecycle Management (ILM) tools in your environment, without disrupting your day-to-day operations. The software is pre-loaded allowing the entire A3 system to be set up in less than 30 minutes. Lastly, the A3 is scales in manageable increments to easily grow with your archiving needs.

Active Archive Appliance Hardware Specifications

Archive Engine

Physical

Width (in/cm): 17.5 / 44.4
 Height (in/cm): 3.5 / 8.8 (2U)
 Depth (in/cm): 24.6 / 62.5
 Weight (lb/kg): 60.5 / 27.5

Agency Certifications

UL, cUL, CE, FCC Class A

Processor

Single 2.8GHz Intel Xeon Processor with 800MHz FSB
 Dual Xeon Capable Motherboard

ECC Memory

1GB PC3200 DDR SDRAM Running at 333MHz
 8 DIMM Sockets Supporting a Maximum of 16GB

Drive Configuration*

Four (4) 250GB Hot-swappable Serial-ATA Drives (Starter Kit Default)**

Hardware RAID

3Ware 9550SX-BLP Eight Port SATA RAID Controller
 3Ware 9550SX-01 Battery Backup Unit

Network Interface

Dual-Gigabit Ethernet Ports (auto-sensing 10/100/1000)
 Support for Stand-Alone, Failover and Load Balancing

Library Interface

Three (3) 9-Pin FireWire 800 Ports

PCI Expansion Slots

One (1) Half-height PCI-Express Slot
 Two (2) Half-height PCI-X 133/100/66 MHz Slots
 Two (2) Half-height PCI-X 100/66 MHz Slots
 One (1) Half-height PCI-X 66 MHz Slot
 One (1) Half-height PCI 32-bit/33 MHz Slot

Power

Power Supplies: Dual, Redundant 500W (Hot-swappable)
 Power Rating: 100-240VAC, 50-60Hz (Autosensing)
 Power Consumption: 225W Typical

Cooling

Hot-swappable Fan Tray Assembly with Redundant Fans

Operating Environmental Limits

Altitude (ft/m): 0 to 6,998 / 0 to 2,133
 Temperature (F/C): 25 to 95 / 5 to 35
 Humidity: 20% to 80%, non-condensing
 Shock: 5g 10ms 1/2 Sine
 Vibration: Random 0.21grms 5-500Hz

Non-operating Environmental Limits

Altitude: 0 to 40,000 / -100 to 3,048
 Shock: 30g 10ms 1/2 Sine
 Vibration: Random 1.04grms 2-200Hz

Warranty

Standard: 1-yr Limited H/W Warranty
 Optional: 1-yr or 3-yr PowerCare Silver and Gold Offerings

*Preconfigured as a RAID 5 Array Dedicated for Caching

**Upgrade Kits Available for up to 4TB of Caching

Media Library

Physical

Width (in/cm) 17 / 43.2
 Height (in/cm) 8.75 / 22.2 (5U)
 Depth (in/cm) 20 / 50.8
 Weight (lb/kg) 35 / 15.9

Drive

Number of Drives 2
 Drive Type Double-Layer DVD Recorder

Capacity

Number of Discs 200
 Max Read Capacity 1.7TB
 Max Write Capacity 1.7TB

Read Performance*

DVD-ROM 8X

Write Performance*

DVD+R DL 2.4X
 DVD-R 8X

Environment Limits

Operating Temperature (F/C) 50° to 104° / 10° to 40°
 Storage Temperature (F/C) 0° to 149° / -18° to 60°
 Operating Humidity, Non-condensing 10% to 80%
 Storage Humidity, Non-condensing 5% to 90%

Power Requirements

Voltage (auto-sensing) 110 to 240 VAC
 Frequency 50/60 Hertz
 Consumption 48W (peak) / 28W (RMS)

Predicted Reliability

MTBF (swaps) 1,000,000

Agency Certifications

Safety UL/cUL, EN 60950, CB, CE
 Emission CISPR 22 Class A
 Immunity EN 50082-1 (1992)

Host Interface

Number of Ports 2
 Port Type 6-pin FireWire 400 / IEEE 1394
 Data Transfer Rate 100, 200 and 400 Mbps

Warranty

Standard 1-yr Limited H/W Warranty
 Optional 1-yr or 3-yr PowerCare Silver and Gold Offerings

* Read/write performance is software dependent and varies by software application

ArcOS Management Software Specifications

Network Transport Protocols

TCP/IP

Network File Protocols

Microsoft Networks (CIFS), UNIX (NFS v3),
 Internet (HTTP)

Management Client

Windows: 2000, 2003, XP
 Linux: Red Hat, SuSE

Data Client

Windows: NT, 2000, 2003, XP

Mac OS X (no resource forks)

UNIX: Solaris, HP-UX, AIX

Linux: Red Hat, SuSE

IP Address Assignment

Supports DHCP for Automatic Assignment,
 Supports Static Assignment

Network Security

Microsoft Active Directory Service (ADS)
 Kerberos Authentication v5
 Lightweight Directory Access Protocol (Client)

Windows NT Domain (Member Server)

UNIX Network Information Service (NIS) Support

Local Users and Groups

Secure Sockets Layer (SSL)

System Management

Browser-based Console for Remote Administration

Environmental Monitoring

Email Notification Alerts

Volume Management

Supports up to 18 Permanent Storage Spaces (PSS)

PowerFile[®]
 ACTIVATE YOUR ARCHIVES

3350 Thomas Road
 Santa Clara, CA 95054

(866) 838-3669
 www.powerfile.com

