



Active Archive Appliance SMB Edition

Datasheet



The Power of Hybrid at an Affordable Price

The Active Archive Appliance (A3) SMB Edition brings the power of hybrid storage to small and medium businesses at an affordable price. Systems are configured to meet your needs - with room to expand as your business grows. Just like the Enterprise Edition, the A3 SMB Edition comes standard with our ArcOS™ management software which intelligently combines our two storage platforms to deliver the online access and search capabilities of disk at the cost of traditional offline archives all while offering unmatched data integrity to ensure your valuable digital assets are protected.

Hybrid Storage Platform

An intelligent file system integrates multiple storage technologies – providing the ideal blend of performance and economy

Standard Network Protocols

Supports CIFS, NFS, and HTTP protocols - ideal for mixed environments

Scalable Architecture

Systems start at 4TB, with a seamless upgrade path to full Enterprise Edition configurations

EVAST™ Data Integrity Scheme

Patented error correction improves data integrity by six orders of magnitude (10⁶) for better reliability than RAID 6

Low Energy Usage

Requires only 240 Watts of power

Archive Facilitator™

Automation Tool

Optional, policy-based discovery, classification, and migration tool for automated archiving of fixed content

Adaptive Data Reduction™ (ADR)

Optional, adaptive, inline data reduction software reduces data footprint up to 7x to maximize rack density

Industry-Leading Energy Efficiency

By delivering over 700TB per Kilowatt and requiring only 240 Watts, the A3 uses less than 5% of the power required for disk-based solutions and 25% of MAID solutions making it easily the most energy efficient storage solution in the industry.

Nothing Proprietary

Many popular disk-based archive solutions require API integration and store data in proprietary formats, making it difficult and expensive to migrate data when the need arises. The A3 leverages standard network protocols along with standard data and media formats to help you avoid costly vendor lock-in and ensure long-term data accessibility and portability.

Best-in-Class Data Integrity

In addition to extensive qualification of archive-grade media, PowerFile has developed its patented Extended Verification And Self-healing Technology (EVAST™) to create a storage system that is 100 times more reliable than enterprise tape or dual parity RAID 6.

Grows with Your Business

The system starts at 4TB and scales seamlessly into full Enterprise Edition configurations. It offers many of the advanced features of the Enterprise Edition including the Archive Facilitator™ automation tool, Adaptive Data Reduction™, and flexible disaster recovery options.

The technology has been certified with industry-leading Classification, File Virtualization, Information Lifecycle Management (ILM), Enterprise Content Management (ECM), and Email Archive applications including Arkivio® auto-stor, CommVault® Data Archiver, EMC® DiskXtender™, F5 Acopia® ARX® series, Kazeon® Information Server, and Symantec® Enterprise Vault™ to ensure seamless integration into your existing infrastructure.

The A3 SMB is an enterprise-class solution that fulfills immediate storage requirements cost-effectively, with an upgrade path to keep pace with future growth – ensuring complete investment protection.

ARCHIVE ENGINE HARDWARE SPECIFICATIONS

Physical Dimensions	Width (in/cm): 17.2 / 43.7 Height (in/cm): 3.5 / 8.9 (2U) Depth (in/cm): 25.5 / 64.8 Weight (lb/kg): 52 / 23.6
Agency Certifications	UL, cUL, CE, FCC Class A
Processor	Single 2.0GHz Dual-Core AMD Opteron Processor with 1000MHz System Bus / Dual Opteron Capable Motherboard
ECC Memory	4GB DDR2 ECC SDRAM Running at 667MHz / 16 DIMM Sockets Supporting a Maximum of 64GB
Read/Write Cache	Four (4) 750GB Hot-Swappable Serial-ATA Drives, Preconfigured RAID 5 Array
Imaging Cache	Four (4) 500GB Hot-Swappable Serial-ATA Drives, Preconfigured RAID 10 Array
Hardware RAID	Controller: 3ware 9650SE-8LPML Eight (8) Port PCI-e to SATA2 RAID Controller / 3ware BBU-Module-03 Battery Backup Unit Supported RAID Types: 5, 6
Network Interface	Dual Gigabit Ethernet Ports (auto-sensing 10/100/1000) / Support for Stand-Alone, Failover, and Load Balancing
Library Interface	Nine (9) 800Mb/s Ports
PCI Expansion Slots	Two (2) x8 PCI-e Slots / Two (2) 64 bit 133/100MHz PCI-X Slots / Two (2) 64 bit 100MHz PCI-X Slots
Ingestion Peak Sustained	60 MB/sec 25 MB/sec
Power	Power Supplies: Dual Redundant 800W (Hot-swappable) Power Rating: 100-240VAC, 50-60Hz (Auto-sensing), 10-4 Amp Power Consumption: 243-275W Typical Heat Dissipation: 829-939 BTU/hr Typical
Cooling	Three (3) Redundant, Hot-Swappable Fans
Operating Environmental Limits	Altitude (ft/m): 0-6,998 / 0-2,133 Temperature (F/C): 25-104 / 5-40 Humidity: 20-80%, non-condensing Shock: 5g 10ms 1/2 Sine Vibration: Random 0.21g 5-500Hz
Non-operating Environmental Limits	Altitude (ft/m): 0-40,000 / -100-3,048 Shock: 30g 10ms 1/2 Sine Vibration: Random 1.04g 20-200Hz
Warranty	Standard: 1-yr Limited H/W Warranty Optional: 1-yr, 3-yr, or 5-yr PowerCare™ Silver and Gold Offerings

MEDIA LIBRARY HARDWARE SPECIFICATIONS

Physical Dimensions	Width (in/cm): 17 / 43.2 Height (in/cm): 8.75 / 22.23 (5U) Depth (in/cm): 20 / 50.8 Weight (lb/kg): 35 / 15.9
Drives	Two (2) Redundant, Field-Replaceable, Dual-Layer Blu-ray Recorders
Capacity	Number of Discs: 80 Raw Capacity: 4TB
Environmental Limits	Operating Temperature (F/C): 41-104 / 5-40 Storage Temperature (F/C): -22-140 / -30-60 Operating Humidity, Non Condensing: 10-80% Storage Humidity, Non Condensing: 5-90%
Power	Voltage (auto-sensing): 110-240 VAC Frequency: 50/60 Hz Consumption: 28W (peak) / 8W (RMS) Heat Dissipation: 95.5 BTU/hr (peak) / 27.3 BTU/hr (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 400 Mbps
Warranty	Standard: 1-yr Limited H/W Warranty Optional: 1-yr, 3-yr, or 5-yr PowerCare™ Silver and Gold Offerings

ARCOS MANAGEMENT SOFTWARE SPECIFICATIONS

Network Transfer 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 UNIX: Solaris, HP-UX, AIX Linux: Red Hat, SuSE Macintosh: OS X (no resource forks)
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), Multiple Administrator Support
System Management	Browser-based Console for Remote Administration, Environmental Monitoring, Email Notification Alerts, SNMP (Host Resource MIB)
Volume Management	Supports up to 7 Online Permanent Storage Spaces (PSS), Retention Period Management (Share Level), System Configuration Backup and Image Recovery