



Cache Expansion Array™

SAS-Based Performance Engine

Performance On-Demand

The Cache Expansion Array boosts the horsepower of the Hybrid Storage Appliance™ (HSA) – providing up to 48TB of additional high performance cache. By allowing additional data to reside in dynamic cache, the Cache Expansion Array enables administrators to fully leverage PowerFile’s hybrid architecture by ensuring that even the most demanding performance requirements can easily be met.

Each Cache Expansion Array offers 12 terabytes of high performance, SAS-based storage in a compact 2U rackmount form factor. The HSA can support up to 4 Cache Expansion Arrays for a total of 48TB of cache.

PowerFile’s unique Hybrid File System virtualizes the underlying storage components of the HSA into easy-to-manage volumes. Once the Cache Expansion Array is installed, adding more cache to an existing volume can be done in seconds from the intuitive, browser-based management console.

- Enhanced System Performance**
Delivers up to 48TB of additional high performance cache
- Compact 2U Form Factor**
Maximizes rackspace in the datacenter
- SAS Architecture**
Ensures performance and reliability
- Redundant Components**
Provides high availability for maximum uptime

Cache Expansion Array Specifications

Physical Dimensions (in/cm)	Width: 17.0 / 44.0 Height: 3.4 / 8.7 (2U) Depth: 21.6 / 54.8 Weight (lb/kg): 54.0 / 24.5
Agency Certifications	UL, cUL, CE, FCC Class A
Drives	Twelve (12) 1TB 7,200 RPM SAS HDDs (Hot Swappable)
RAID Configuration	Preconfigured RAID 6 Array
Controller	Three (3) 3Gb/s mini-SAS Connectors
Scalability	HSA: Up to Four (4) Cache Arrays / 48TB A3: Up to Two (2) Cache Arrays / 24TB
Power	Power Supply: 460W, 1+1 Redundant Power Rating: 100-240VAC, 50-60Hz, 10-4 Amp Power Consumption: 182-195W Typical Heat Dissipation: 632-665 BTU/hr Typical
Cooling	Three (3) Redundant, Hot-Swappable Fans
Environment	Operating Temperature (F/C): 41-95 / 5-35 Non-Operating Temperature (F/C): -40-158 / -40-70
Warranty	Standard: 1-Year Limited HW Warranty Optional: PowerCare 1, 3, and 5-Year Offerings

