

# Pillar Axiom 600MC



Many organizations today are shifting away from expensive, monolithic arrays to fully populated mid-range solutions that deliver enterprise-class reliability in support of mission-critical applications. The Pillar Axiom 600MC is optimized for the enterprise customer that depends on rapid expansion of mission critical applications requiring the highest levels of availability, but for whom legacy high-end arrays are too complex and costly.

The Axiom 600MC is a Tier 1 array comprised of a mirrored and replicated system pair with modular components and software. The Axiom 600MC solution is maintained, optimized, and serviced by Pillar Professional Services to meet the high availability needs of any production environment. When combined with Pillar's High Availability Design and Implementation Services, this solution provides the highest levels of application availability, exceptional performance, and a low cost of ownership.

## AxiomONE Software

Pillar AxiomONE Storage Services Manager software offers an intuitive management interface for operating the Axiom 600MC storage system. Software components that ship with this system include:

### AxiomONE Dynamic Performance Manager.

A policy-based information management function that enables four performance priority levels with SATA disk drives and five performance priority levels with Fibre

## Advantages

- A cost-effective, Tier 1 Platform for your mission-critical operations
- An Application-Aware storage™ system to make management and provisioning easy and affordable
- Enterprise-class architecture, performance and availability without compromise
- Managed and maintained by Pillar's Professional Services team; Tier 1 services and support for mission-critical applications

Channel disk drives. Data placement and performance characteristics are optimized for each application class supported by the system.

**AxiomONE Thin Provisioning.** Pillar combines Thin Provisioning with QoS (Quality of Service) and distributed RAID to deliver industry-leading utilization rates while maintaining consistent performance.

**AxiomONE CloneLUN.** A point-in-time, read-write block-level snapshot of a LUN with no system-level performance impact which can be mounted as a stand-alone file system/LUN and used immediately. It retains all attributes of the source LUN (including snapshots), requires no cache and uses minimal physical capacity.

### Axiom ONE Replication for Axiom 600MC.

This software license enables replication to one or multiple Axioms in remote data centers to guarantee 100% data availability.

## Best of Breed Replication

The Axiom 600MC is built with highly redundant hardware components. Combined with AxiomONE local protection software (volume copies, clones) and inherent replication technology, the Axiom 600MC neutralizes logical, physical, and site-level threats to data availability. A second Axiom system may be provisioned at a disaster recovery site as a replication target for the main site. In the event of a disaster at the primary site, the recovery site allows data service to continue. The mirrored Axiom environment provides continuous uptime and protects against planned and non-planned downtime events that may occur.

## Benefits

- 99.999% uptime for your mission-critical applications
- Provides non-disruptive system-wide data protection
- Ideal for any data center, including Oracle deployments
- Works in conjunction with ASM by writing in 1MB stripes
- Examine and repair data corruption on the fly without costly long-term downtime
- True continuous replication of critical data to a single or dual DR site(s)
- Centralized management and control
- Perform disaster recover testing while a production environment is still running and replicating

## Services: Axiom Mission Critical

The importance of your Mission-Critical data to your business demands the proactive and undivided attention of your storage vendor – and Pillar is answering the call. Pillar reduces anxiety and eliminates the guesswork by combining the proven Professional Services and Customer Support offerings necessary to assess, design, deploy and optimize the Axiom 600MC for your most mission-critical Tier 1 applications into a cohesive and affordable service offering bundled with the Axiom Mission-Critical Platform.

## Support: Ongoing, Onsite and Always On-Call

As an integral component of the Axiom 600MC Storage Solution, Pillar provides extended Customer Support for the first three years that your system is in production. The Axiom 600MC is maintained, provisioned and optimized by Pillar's Professional Services organization.

## Optional features that can be added to the storage solution include:

- Capacity: SATA, Fibre Channel or both
- Remote Replication
- Additional Axiom Software (Clones, Thin Provisioning)
- Additional year of hardware and software warranty

## Application-Aware Storage

The Pillar Axiom Application-Aware storage systems drive down both acquisition and operating costs by allowing you to simplify, utilize, and scale:

**Simplify Management.** With key technology innovations and the industry's most intuitive storage management user interface, the Axiom can be deployed, provisioned, managed, and maintained by less experienced technology generalists and without special training. No other storage vendor has eliminated the complexity of provisioning tiered storage by allowing varying service levels in a single, integrated system.

**Utilize Capacity.** Pillar has always provided one of the most flexible storage systems in the industry, allowing you to combine SAN, iSCSI drives in a single platform with a common storage pool using FC and/or SATA drives. Pillar's storage utilization rates are often as high as 80%, almost twice as effective as the industry average.

**Scale Flexibly and Easily.** Companies grow and data centers change with massive data growth, new applications, and operational refinements. The storage systems supporting these environments must be able to keep pace while maintaining continuous data availability. Axiom's modular architecture enables the flexibility to change connectivity, increase capacity, and improve performance by purchasing only the components necessary to accomplish your objective, all without disruption or difficult migrations.

**Pillar in the Oracle Data Center.** With the Pillar Axiom 600MC, you'll see a 30% increase in the performance of your Oracle applications. Oracle databases running Automatic Storage Manager (ASM) together with Axiom storage deliver high performance while providing an easy management environment. This is because the Pillar Axiom writes in 1MB stripes, the largest in the industry. The 1MB stripe profile allows the Axiom to perform optimally with Oracle's Automatic Storage Manager, which also writes in 1MB stripes. This is particularly important for I/O intensive Oracle applications such as batch reporting and data warehousing, and helps overcome the random access limitations of SATA.

## Axiom 600MC Specifications

<b>Interface</b>	Up to 32 – 4 Gbps Fibre Channel	
<b>Cache</b>	Up to 192 GB cache	
<b>Capacity</b>	Up to 1.6 PB	
<b>Disk Available</b>	SATA:	500GB, 1TB,
	Fibre Channel:	300GB, 450GB (15,000 RPM)

