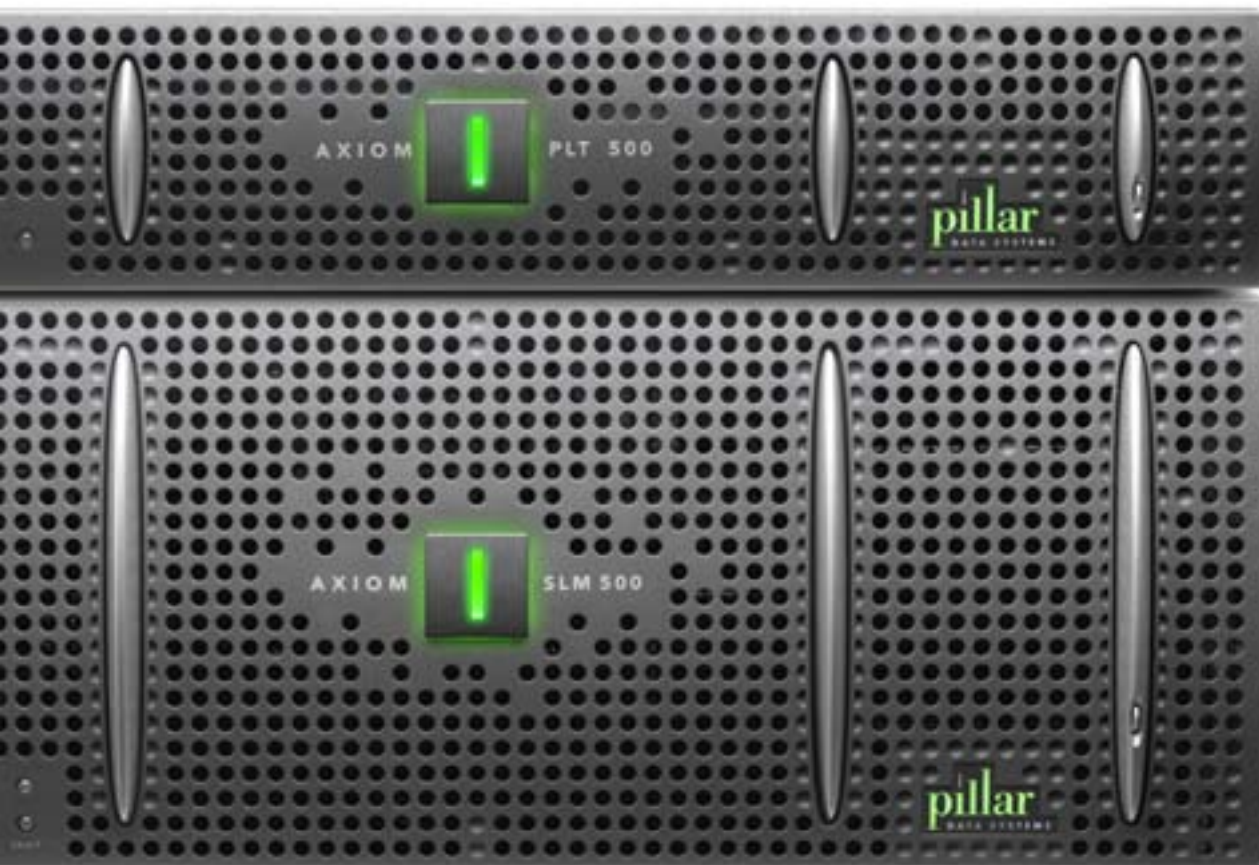


Pilot Policy Controller Slammer Storage Controller

Pillar Axiom™ Storage System

Pillar Axiom Storage systems are designed to be simple for users to install, implement, provision, and maintain. The Pilot Policy Controller, which includes the administrator interface, handles the active provisioning and management of the system. The Slammer Storage Controller is the dual active/active data mover and manager. These components are tightly integrated with Pillar's Axiom Storage Manager software to ease the process of storage set-up and monitoring.



Controllers

Pilot Policy Controller

Pilot Policy Controllers provide the management interface for Pillar Axiom Storage systems. Each Pilot uses redundant hardware and Axiom Storage Manager software to ensure reliability, availability, security, and ease of use.

Integrated management is a must for enterprise class storage infrastructure. Yet manageability is more than just SNMP; it is the ability to easily control, in real-time, all aspects of a Pillar Axiom Storage system.

Pilot Benefits:

- Ensure continuous availability of storage management with two independent control units that operate in an active/passive mode.
- Manage all storage management and data protection features using a single policy-based framework through Web-based GUI.
- Allocate hardware assets where they are needed most with policy-based management via Quality of Service (QoS) metrics.
- Ensure confidence in change management with guided maintenance.

Slammer Storage Controller

Slammer Storage Controllers are the high-performance, high-reliability data movers and managers for Pillar Axiom Storage systems. A Slammer does more than just move data. By virtualizing the storage pool, the Slammer can grow file systems and LUNs seamlessly. Each Slammer features dual active/active control units, and can be ordered as either a SAN or NAS front end.

Slammer Benefits:

- SAN and NAS functionality scales horizontally with dual active/active control units.
- Intelligently mirror and stripe file systems and LUNs for additional data protection.
- Enjoy high availability with two control units that are identically configured, with the same interfaces and memory configurations.
- Battery-backed write cache is mirrored between control units to ensure data integrity in the unlikely event of control unit failure.
- Scale performance within the Pillar Axiom by adding Slammers without incurring additional software licensing fees.



Rear View of the Pillar Axiom Slammer Storage Controller



Axiom Storage Manager Software

Axiom Storage Manager Software

The Pilot Policy Controller is enabled by Axiom Storage Manager software, which allows system administrators to allocate storage resources, specify QoS, and define storage automation parameters through easy-to-use policies.

These policies present high-level choices and actions without the need to set commands and properties deep within the system, simplifying storage management.

Software Benefits:

- Simplify storage management with policy-based controls.
- Simplify provisioning and management with easy-to-use graphical interface.
- Utilize a rich set of data protection tools with write-only deltas Snap FS and Snap LUN snapshots or generate full copies of data with Axiom Volume Copy.
- Realize proactive administrative actions with automatic display and notification of critical status changes and events.
- Address potential problems before they occur with compilation and delivery of system health and performance statistics to Pillar customer service.
- Enable centralized management of storage infrastructure through integration with leading management framework software vendors.

Pilot Policy Controller



Slammer Storage Controller



Features and Specifications

Interfaces

Four 10/100Base-T Ethernet private management interfaces (PMI)
Two 10/100Base-T Ethernet interfaces for management LAN connectivity

Control Unit Components

Two control units per Pilot with active/passive failover
One Intel Celeron 2.5 GHz processor per control unit
512 MB of RAM per control unit

Supported Protocols

SNMP NTP
SSH FTP
HTTP SMTP

Enclosure Dimensions

Width	17.7 in	45 cm
Depth	26 in (max)	66 cm
Weight	40 lbs	18.2 kg

External Interfaces

Four 1 Gb Ethernet interfaces for Host-to-LAN connectivity on NAS Slammers
Four 2Gb Fibre Channel ports for Host-to-SAN connectivity on SAN Slammers

Internal Interfaces

Six 10/100Base-T Ethernet interfaces for Slammer-to-Pilot connectivity
26 2Gb Fibre Channel interfaces for Brick/Slammer connectivity

Control Unit Components (Two per Slammer)

Two Intel Xeon 2.4 Ghz processors
Up to 12GB of RAM
Optional Fibre Channel or SCSI card for tape attachment

Redundant and Hot-Swappable Components

Two load-balancing power supplies and fans per control unit
Two active/active control units per Slammer
Fibre Channel interface modules
Gigabit Ethernet interface modules
Motherboards

Enclosure Dimensions

Height	7 in	17.78 cm (4U)
Width	17.7 in	45 cm
Depth	26 in	66 cm
Weight	91 lbs	41 kg

Power	Frequency	50 – 60 Hz	Frequency	50 – 60 Hz
	AC Voltage	90 – 264 VAC	AC Voltage	90 – 264 VAC
	Max Power Consumption	360 VA	Max Power Consumption	650 VA
	Max Heat Dissipation	1,230 BTU/hr	Max Heat Dissipation	2,220 BTU/hr
	AC Plug Type	4 IEC 320 C13 connections	AC Plug Type	4 IEC 320 C13 connections
Environmental	Operating Temperature	10 – 40 degrees C	Operating Temperature	10 – 40 degrees C
	Temperature Gradient	10 degrees C/hr	Temperature Gradient	10 degrees C/hr
	Relative Humidity	10 – 85% non-condensing	Relative Humidity	10 – 85% non-condensing
	Humidity Gradient	10%/hr non-condensing	Humidity Gradient	10%/hr non-condensing
	Non-Operating Temperature	-40 – 70 degrees C	Non-Operating Temperature	-40 – 70 degrees C
	Temperature Gradient	30 degrees C/hr	Temperature Gradient	30 degrees C/hr
	Relative Humidity	5 – 95% non-condensing	Relative Humidity	5 – 95% non-condensing
	Humidity Gradient	10%/hr non-condensing	Humidity Gradient	10%/hr non-condensing