



## Overview

The AutoStorP16, quad intelligent iSCSI RAID System, is the latest addition to the award-winning AutoStor family with a built-in 64-bit RAID controller for mission critical applications. Utilizing cost-effective 3Gbps Serial ATA disks, the AutoStorP16 offers Enterprise-grade solution for applications that demand nothing short of superior reliability. Designed to meet the challenge of high impact/high volume network storage requirements, the new AutoStorP16 can be configured in minutes and is becoming the new standard for simplified SAN storage. With hundreds of installations worldwide PrimeArray's AutoStor product line has built a solid reputation in markets spanning from video broadcasting to emerging disk based backup & recovery infrastructures.

## Enterprise Feature and Performance

Featuring Four (4) GbE ports (iSCSI), the AutoStorP16 provides versatility critical to a company's IT infrastructure. AutoStorP16 is powered by a cutting edge 64-bit RAID engine, up to 1GB cache, and 3.0 Gbp/s disks, which maximizes disk performance (300MB/s via four iSCSI GbE ports) allowing for a broader range of storage possibilities. Built-in enterprise feature such as Remote Replication and Snapshot, providing point-in-time remote recovery that safeguard accidental deletion, makes the new AutoStorP16 an ideal solution for server storage such as Microsoft Exchange & SQL Server, as well as professional storage applications such as Disk-to-disk backup, database pools, image acquisition, near line storage, data centers, media & asset management libraries and shared SAN networks. Dynamic on-line RAID expansion allows additional capacity to be added without total system downtime, increasing your department's productivity.

## Controls & Indicators

A comprehensive LCD control panel facilitates the setup process and lets users reconfigure the system as their needs change. LED based indicators provide easy visual monitoring and system status at a glance. The AutoStorP16 also provides an audible alarm in the event of a component failure.

## Features

- 3U, 16 SATA disks external storage
- Multiple RAID configuration options
- Embedded hardware RAID controller
- 4 GbE full iSCSI offload with load-balancing & fail-over
- One logical volume shared by as many as 16 hosts
- Windows VDS/VSS/MPIO support
- Hot swappable components
- Secure control panel with backlit LCD
- Host access control & CHAP

## High Data Availability

The AutoStorP16 offers a wide range of RAID settings including 0, 1 (0+1), 3, 5, 6, 30, 50 and JBOD. Support for multiple array configurations are included to allow added flexibility ensuring your investment will be in use years down the line. Drive failure detection, automatic drive rebuild, hot spare assignment and background rebuild, make it possible for users to monitor and address system conditions. Dynamic On-line RAID expansion allows additional capacity to be added without total system downtime, adding piece of mind knowing your data is protected at all time.

## Storage Management

The AutoStorP16 system is unparalleled in its simplicity, ease of use, installation, and storage management. Our user friendly Web Graphical User Interface allows one to deploy and manage the disk array from virtually anywhere in the world with simple internet access, no additional management software ever needed. With the "Quick Install" wizard, the storage administrator can get the system up and running in a few minutes; and setting up RAID level, volume, cache, etc. can all be done and monitored through the Web GUI.

## Form Factor

- 3U low profile 19" rackmount
- 16 SATA / Serial ATA disk drive bays

## System Architecture

- SATA-to-GbE (10/100 Ethernet support)
- Quad channel (4) GbE ports

## Disk Drive Interface

- HDD: SATA/Serial ATA 1.5Gb/s or 3Gb/s
- RPM: 7200-10,000

## Controller Architecture

- Dedicated RAID processor
- Dual PCI bus architecture
- 1GB cache

## Controls and Indicators

- Backlit LCD control panel
- Power and drive failure indicators

## RAID Operation

- RAID level 0 ( 0+1 ), 3, 5, 6 and JBOD
- Multiple array support (up to 8 separate arrays)
- Hot-swap drive support
- Hot/global spare drive support
- Online capacity expansion

## Management

- User configurable via control panel
- Web browser remote management
- RS232 VT100 ANSI terminal emulation
- Event & fault notification to e-mail

## Enclosure Specification

- **Hot-Swappability** 16 x Removable HDD Tray
- **System Fan** 2 hot-swappable blowers
- **Status LEDs** 1 x access LED for each HDD
- **Fan-fail LED** 1 x fan-fail LED for system
- **Power Supply** 1+1 Hot-swap Redundant (2x460Watt)
- **Dimension (H x W x D)** 5.25" x 19" x 21.5"

## Physical & Environment

- **Temperature** built in thermal & fan sensor
- **Operating Temperature** 10°C ~ 35°C
- **Non-Operating Temperature** -10°C ~ 50°C
- **Operating Humidity** 20% to 90% non-condensing

## Supported Operating System

- Windows 95, 98/98SE, NT, 2000, Millennium, XP, 2003
- Mac 9.1 and above with ATTO iSCSI initiator
- Linux (all latest builds) which support iSCSI initiator
- And all other systems supporting iSCSI protocol

## Power Supply

- Dual redundant removable power modules
- 1+1 hot swappable
- AC input: 90 ~ 264 VAC, 47Hz ~ 63Hz
- Continuous output power: 460W

## Cooling

- Three hot swappable fan modules
- 12V DC, 0.36A, 3-pin connector

## Manufacturer Warranty

- **System Warranty** 1 year

For more information please  
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