

PetaBox PS Series



- 1, 2 or 3TB raw capacity per 1U node
- 40, 80 or 120TB capacity per 19" rack
- Dual-core CPU, 4x SATA HD
- Lowest entry price and TCO
- Helpdesk and on-site support options

Providing Value

Institutions and enterprises around the globe, including universities, research labs, web service providers, national libraries, major scientific and computational facilities, video film archives, and massive digital preservation sites turn to Capricorn Technologies for their data storage solutions. For these customers, the PetaBox is redefining the economics of storage.

Redefining the economics of storage

The PetaBox PS PowerStore Series of data storage units are 1U nodes with capacity ranging from 1 to 3TB of raw capacity. The PowerStore provides significant computing power over the GB Series while maintaining an aggressive entry price point and TCO.

Scalable Architecture

The PetaBox PowerStore Series is completely scalable from individual terabyte nodes to petabyte clusters. A single 19-inch rack can support up to 120 TB of raw disk space. This density is achieved through an economy of design that consumes minimum power, dissipates very little heat, and offers dramatic energy and physical space savings.

Power Is Key

The PetaBox product family's modest power consumption provides a host of benefits, including reduced operating temperatures and enhanced reliability, while keeping operating costs, cooling requirements, and maintenance to an absolute minimum.





PETABOX PS SERIES FEATURES

Storage Capacity

- 1, 2, or 3TB raw capacity per 1U node
- 40, 80, or 120TB raw capacity per 19" rack

Power

- 90 W per node typical (AMD energy-efficient CPU)
- 90-265VAC, 47-63 Hz Autoranging
- Active Power Factor Correction

Networking

- Up to 3 Gigabit Ethernet ports per node
- 48-port 10/100/1000 switch per rack

Display

- 16 x 2 character LCD (optional)

Operating System

- Linux Standard. PetaBox PS series nodes ship with Linux (fedora or debian, typically) and can take advantage of the full suite of Linux tools available, including all open source filesystems. NFS, FTP, HTTP, or samba may be used to present the data from PS series nodes.

Management Tools

- Capricorn offers several certified options for virtualizing and managing storage and data. Contact sales@capricorn-tech or visit http://www.capricorn-tech.com/partners_list.php for specific information and options.

Warranty Support Options

- Global 8-5 Help Desk, Next-Day On-Site Support
- Global 24x7 Help Desk, Same-Day On-Site Support

PETABOX PS SERIES SPECIFICATIONS

Disk Drives

- 4 hard drives per 1U node
- Hardware RAID 0,1, 0+1, or JBOD, Software RAID 0,1, 5, 6, 10
- 3Gb/s SATA Interface
- 4.2 ms typical latency

Motherboard/Processor

- AMD Athlon 64x2 or Sempron Processors - up to 2.4GHz
- NVIDIA GeForce 6150 and nForce 430 Chipset
- DDR2 ECC or non-ECC RAM (up to 8GB)
- 4 USB 2.0 ports
- 1 IEEE 1394a port
- 1 Parallel port
- 1 VGA/RGB port
- 1 VGA/DVI-D port
- PS2 mouse and keyboard ports

Physical

- Rack-mountable with hands-free backside support
- 17.25"W x 18"D x 1.72"H (43.8 x 45.7 x 4.4 cm)
- Weight 21 lbs (9.5 kg)
- Node Size 17.25"W x 18"D x 1.72"H

Environmental

- 5-35°C Operating Temperature
- Relative Humidity 10-90% operating (non-condensing)

Capricorn Technologies, Inc. Founded in 2004, Capricorn supplies a range of nearline and primary low-cost, high-density, power-efficient storage solutions for small, medium, and massive datastores. Capricorn Technologies is proving that data storage can be cost-performing, infinitely scalable, and simple to manage. For more product and pricing information, please contact sales@capricorn-tech.com.



sales@capricorn-tech.com
www.capricorn-tech.com



Optional LCD provides real-time monitoring of node status and allows for easy identification of nodes.