PSSC LABS

Product Data Sheet

CloudOOP Big Data Servers

CloudOOP 12000

Engineered to handle all your Big Data needs.

What if there were a cost-effective server platform that not only reduced both CapEx and OpEX, but also offered superior data I/O performance for real-time processing?

Enterprises are ingesting data at ever increasing volumes and the need to analyze that data in real-time is critical for success. This puts tremendous demands on server infrastructure which could result in skyrocketing capital and operational expenses. What if there were a platform offering the highest level of performance you would expect in an enterprise server–combined with the cost-effectiveness of direct attach storage? PSSC Labs CloudOOP Big Data Enterprise Servers are designed specifically for environments that refuse to compromise on performance, without breaking the budget.

Key Features & Benefits.

The world's first and only Big Data Enterprise Server Platform to offer:

• Certified compatibility with Cloudera, Hortonworks, MapR, Cassandra, Hbase

• 200+ MB/sec sustained IO speeds per hard drive | 30%+ faster than other OEMs

• Absolute lowest Total Cost of Ownership: 2x Density | 35% Power Savings

Watch

See PSSC Labs Servers and Solutions in action:
youtube.com/user/pssclabs

Learn

Visit our Case Studies page to learn how PSSC Labs is helping organizations achieve their technology goals:
pssclabs.com/company/case-studies

Socialize

We enjoy hearing from you. Engage with us on:

"Certification of the CloudOOP Platform on Cloudera Enterprise ensures customers have the most innovative data management technology available."

–Tim Stevens, Vice President, Cloudera®

Proven features offer unmatched performance with the lowest total cost of ownership.

01.

Direct connection IO technology offers 30+% data throughput performance by eliminating bottlenecks.

CloudOOP 12000 shown

02.

Enterprise design provides redundant operating system hard drives.

CloudOOP 12000 shown

03.

90%+ energy efficient redundant power supplies and unique design reduce power consumption by 35%+.

CloudOOP 12000 shown

04.

Support for 10GigE, 100GigE, or 200GigE Networking Available with Channel Bonding Support.

CloudOOP 12000 shown

Tech Specs.

Processor Support:

- 2 x Intel® Xeon® or AMD EPYC™ Processors
- Maximum 128 Total Cores/256 Cores with Hyperthreading

Memory Support:

- 16 x DDR4 ECCMemory Dimm Slots
- Up to 2 TB Memory Capacity
- 3200 MHz Support

GPU Support:

- Integrated in Aspeed® AST2500

Disk Storage Controller:

- 3 x Slim SAS for 12 x SATA III 6 Gb/s Disks
- 2 x 7-pin SATA III 6 Gb/s Disks
- Optional LSI PCI Express Raid Controller

Network Support:

- 2 x 10 Gb/s LAN Ports
- 1 Dedicated Management LAN Port
- Optional 100 GigE, 200 GigE Ports
- Optional Mellanox® Infiniband® and Intel® Omnipath®

Power Supply:

- 600 Watt 1+1 Redundant Power
- 80%+ Platinum Level

Operating System:

- Microsoft Windows Server
- Red Hat Enterprise Linux
- CentOS Linux
- SUSE Linux
- Ubuntu Linux
- VMware Linux

CloudOOP 12000

Disk Storage Capacity:

- 2 x Dedicated SSDs for Operating System
- 12 x SSD, SATAIII, SAS for Primary Storage
- Optional 2 x NVMe SSDs for Tiered Storage

Dimensions & Weight:

- 1U Rackmount
- 19" W x 37.5" D x 1.75" H
- Average 85 lbs.

CloudOOP 4000

Disk Storage Capacity:

- 2 x Dedicated SSDs for Operating System
- 4 x SSD, SATAIII, SAS for Primary Storage
- Optional 2 x NVMe SSDs for Tiered Storage

Dimensions & Weight:

- 1U Rackmount
- 19" W x 37.5" D x 1.75" H
- Average 40 lbs.

Tech Specs.

Service Level Agreement:

- Three Year Silver Level SLA Included
- Gold and Platinum SLA Optional
- Years Four and Five Year SLA Optional

Management & Monitoring:

- IPMI 2.0 Web Interface
- Network settings
- Network security settings
- Hardware information
- Users control
- Services settings
- IPMI settings
- Sessions control
- LDAP settings

- Power control
- Fan profiles
- Voltages, fans and temperatures monitoring
- System event log
- Events management

(Platform events, trap settings, email settings)

- Serial Over LAN
- vKVM & vMedia (HTML5)

Included Services

- Operating system installation
- Storage partitioning and configuration (JBOD or RAID)
- Net Connect integration service for easy network boot
- BIOS customization
- Power and cooling consultation prior to delivery
- Mac address recording and reporting
- Node name labeling
- Rack 'n Roll Services Available for Turn-Key Installation

Contact Us

Our Experts in HPC, Big Data and Data Centers are here to help.

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