

# 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](https://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](https://pssclabs.com/company/case-studies)

## Socialize

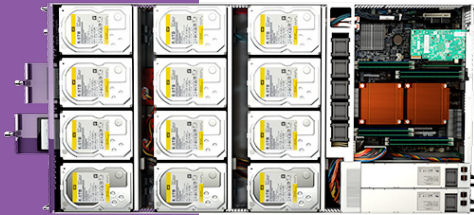
**We enjoy hearing from you. Engage with us on:**



**“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.

**10GigE, 40GigE and 100GigE networking available with channel bonding support.**

CloudOOP 12000 shown

## Tech Specs.

### Processor Support:

- 2 x Intel Xeon Scalable Processors
- Support for Bronze, Gold, Platinum CPUs
- Maximum 44 Total Cores / 88 Cores with Hyperthreading

### Memory Support:

- 16 x DDR4 Memory Dimm Slots
- Up to 1 TB Memory Capacity
- 2666 / 2400 MHz Support
- 6 Channel Memory Architecture

### 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 SFP+ LAN Ports (QLogic® QL41102) or RJ45 Ports
- 2 x 1 Gb/s LAN Port
- 1 x 10/100/1000 Management LAN
- Optional 40 GigE, 100 GigE Ports
- Optional Mellanox® Infiniband® and Intel® Omnipath®

### Power Supply:

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

### Operating System:

- Windows Server 2012 R2 (x64) Update 1
- Windows Server 2016
- Red Hat Enterprise Linux 7.x (x64)
- CentOS Linux 7.x (x64)
- SUSE Linux Enterprise Server 12.2 (x64)
- Ubuntu 16.04.2 LTS (x64)
- VMware ESXi 6.5

## 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:

- Aspeed® AST2500 management controller
- Avocent® MergePoint 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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