PSSC LABS

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DSX 1000 SERVER FOR CASSANDRA

INTRODUCTION

The DSX 1000 is a custom configured high performance computing solution designed specifically to meet the needs of Cassandra. The server features "Direct Connect IO" technology allowing for uninhibited data path from each individual Solid State SATAIII (SSD) hard disk to the processor / memory platform. This revolutionary design offers nearly 50% greater data IO rates.

TECHNICAL SPECIFICATIONS

- Revolutionary Tool Free 1U Chassis with Front / Rear Power Controls
- 90%+ Energy Efficient Power Supply
- 12 x Intel Xeon E5 Cloud Ready Processor Cores
  - 2 x E5-2620v3 Processor
- 128 GB of High Performance 2133 MHz ECC system memory
- 120 GB Solid State SATAIII (SSD) Drive for OS
  - Crucial M500 or similar
- 8 x 480 GB Solid State SATAIII (SSD) Drive
  - Crucial M500 or similar
- Intel X520DA-2 Dual Port 10GigE Network Adapter / SFP+ Connection
  - Transceiver and Cable Not Included
- 2 x 10/100/1000 BaseT Gigabit Network Adapters
- Dedicated IPMI / iKVM Remote Management Port
- SVGA Video Adapter on Motherboard
- NetConnect Integration
- CentOS 64 Bit Latest Edition Installed
- Certified Hardware Testing Procedure
- 3 Year Silver Return to Depot Hardware Warranty

DATASTAX

"PSSC Labs unique server hardware architecture can help DataStax customers realize their performance goals at a very competitive price. "

Matt Rollender
DataStax, VP of Business Development

KEY FEATURES

- Reduce Data Center Footprint By 50%
- Reduce Power Consumption By 40%
  - Power Draw Idle: 165 Watts
  - Power Draw 100% Load: 300 Watts
- Nearly 50% Greater Data IO Rates
  - Direct Connect IO Technology
- Patent Pending Tool Free Maintenance
- Front & Rear Power Controllers