



ECLIPSE7

High-performance server/node platform for large memory HPC, "Fat Node" or virtualization applications.

The Eclipse7™ is a leading-edge, science/enterprise class server node in a 1U chassis platform, perfectly suited for High-Performance Computing (HPC) applications. Based on the latest Intel® Xeon E5® 2600 series processors and a memory capacity of up to 768GB of DDR3 memory the Eclipse7 combines state of the art in computing, memory and I/O performance with management features, ease of use and component redundancy. The Eclipse7™ is a perfect platform for large memory, virtualization or "fat node" applications.

KEY FEATURES

- Dual-socket (LGA2011) Intel® Xeon® E5-2600 series compute platform
- Up to 768GB of DDR3 Registered/ECC memory per node **
- Available in 8 x 2.5" SAS/SATA and 4 x 3.5" SAS/SATA configurations
- FDR or QDR Infiniband
- Hot-swap SAS/SATA drives
- Dual 1000Base-T gigabit Ethernet ports with IPMI 2.0 management

** Memory capacities greater than 384GB per node require the use of LRDIMM memory. Ask your Aeon Computing sales engineer for specific details for your desired configuration.

SPECIFICATIONS

Processor / Interconnect

Dual LGA2011 processor sockets with support for two Intel® Xeon® E5-2600 series processors per node
Up to 8.0 GT/second Quickpath® interconnect

System Memory

8GB-768GB of DDR3 Registered/ECC server class memory per node
Memory mirroring supported

Chipset

Intel® C602 (Romley)

Network, I/O and Fabric Interfaces

FDR (56Gbps) or QDR (40Gbps) Infiniband (QSFP)
Dual 1000Base-T gigabit Ethernet ports (Intel® i350 controller)
Server-grade VGA graphics (one port per node)
Four USB 2.0 ports (two external/rear, two external/front)
One PCI-Express 3.0 x8 low-profile slot per node

Disk Storage

Option 1) Four 3.5-inch hot swap SAS/SATA disk drive bays
Option 2) Eight 2.5-inch hot swap SAS/SATA disk drive bays

Form Factor

1U (1.75-inches vertical cabinet space), 28 inches in depth

Management

IPMI 2.0 management accessible via 100Base-T ethernet ports
DHCP/PXE support for OS installation and management

Power Supplies and Utilization

S750 Watt N+1 removable/hot-pluggable power supplies
single or dual supply (N+1) configurations
80-Plus Platinum Level Certified for power efficiency
Power utilization based upon processor, memory and storage configuration.

