

# 2U **Appro 2146H**



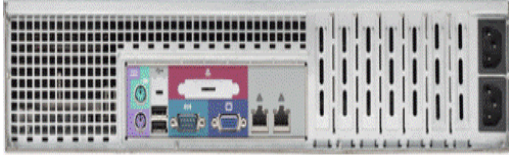
Appro 2146H server, based on the Six-Core AMD Opteron processor, is designed to address the needs of HPC. With four processors and up to 128GB of outstanding memory scalability, it offers best configuration flexibility for enterprise and high performance floating-point applications. Its thermal and power features help save energy and money without sacrificing performance. The 2146H offers redundant and hot-swappable features that deliver crucial operational strengths in reliability, scalability and serviceability with best performance/value to support technical and enterprise applications

## **Features and Benefits**

- 4P server supporting Dual/Quad/Six-Core AMD Opteron™ processors
- Up to 6 removable and hot-swappable SATA HDDS
- Outstanding memory capacity - up to 128GB in 16 DIMM sockets
- Up to 6TB of storage capacity
- Support for three PCIe x16 slots, one PCIe x8 slot, two PCIe x4 slot, two HTx connectors
- Tool-less access to chassis, memory, HDDs, PCI card, blowers, and power supply
- Cluster management: Rocks+ and MOAB Cluster Suite (optional)
- Choice of Linux or Windows operating systems
- Offers a flexible, reliable and scalable compute platform
- Easy to maintain and service - hot-swappable power supplies and fans
- Energy-efficient, redundant 1200W high-efficiency power supplies and 6 cooling fans
- Best TCO with improved system density, computing capability while keeping the datacenter cool

## **Ideal Environment**

The Appro 2146H is the best fit for highly-computational, memory intensive applications such as mechanical and engineering graphic simulation and rendering, computational fluid dynamics, scientific visualization, and digital content creation and cluster head nodes commonly used by design professionals and industry researchers.



Appro 2146H - 2U/QP Server	
<b>Processor</b>	Dual/Quad/Six-Core AMD Opteron Processors 8000 Series
<b>Processor Capacity</b>	4
<b>Chipset</b>	AMD SR5960/SP5100 2.6GHz HyperTransport (HT3) link
<b>Memory Type</b>	DDR2 800/667MHz
<b>Memory Capacity</b>	Up to 128GB in 16 DIMM sockets
<b>Disk Controller</b>	SATA2 3.0Gb/s controller, up to 6 ports
<b>Drive Bays</b>	Six hot-swap 3.5" SATA Supports slim DVD-ROM
<b>Storage Capacity</b>	6.0TB SATA
<b>Graphics</b>	VGA graphics integrated on the BMC
<b>Network Interface</b>	Intel 82546GB dual-port Gigabit Ethernet controller
<b>Input/Output</b>	Two USB 2.0 compliant ports, two RJ45 LAN ports, keyboard, mouse, VGA and serial ports
<b>Expansion Slots</b>	Three PCIe Gen2 x16 slots One PCIe Gen2 x8 slot Two PCIe Gen2 x4 slot Two HTx connectors
<b>Power Supply</b>	Redundant 1200W high-efficiency
<b>System Input Requirements</b>	AC Input Voltage: 100V - 240V AC Rated Input Current: 15A - 6A Rated Input Frequency: 50 - 60Hz
<b>Cooling</b>	Six 80mm 6500 RPM fans
<b>Weight</b>	69 lbs (31.3kg)
<b>Dimensions (HxWxD)</b>	3.5" x 17.2" x 27.75" (89 x 437 x 708 mm)
<b>Temperature</b>	Operating: 10 - 35°C Storage: -40 - 70°C
<b>Remote Server Mgmt</b>	IPMI (optional)

Support: Two years standard warranty. On-site maintenance and installation service options are available.  
Rapid Exchange Service Options: Two years warranty (next day parts replacement exchange).



Appro International Inc. | 446 South Abbott Avenue | Milpitas, CA 95035  
800.927.5464 (US only) | 408.941.8100 (Main) | 408.941.8111 (Fax)

