Featuring 48 hot-swap drives, the Ace Powerworks 4G845V2 is the highest density custom quad socket Intel Xeon available, providing maximum RAID Storage for all levels of the enterprise.

Maximum Storage Performance
The Ace Powerworks Quad Socket Server features tremendous PCIe 3.0 expandability with excellent memory capacity and up to 48 2.5” hot-swap hard drives. The Ace Powerworks Server features the Intel® Xeon® Processor E7-4800v2 Processors (6/8/10/12/15 Core, Dual/Quad) in a 4U Rackmount Chassis - Standard Depth and 1620W 80+ PLATINUM (94%) Redundant Power Supplies (2+2) optimized for rackmount chassis (hot swap) as well as other critical components. A 4 socket system providing up to 6TB DDR3 1600MHz ECC RDIMM/LRDIMM in 96 slots, with Up to 76.8TB (Hot-Swap) storage, Powerworks servers emphasize reliability, ease of service, and meeting your high availability expectations. Systems are ordered in either 24 or 48 drive configuration, with 24 drive field upgrade kit available.

Powerworks 4G845V2
- Storage density in a 4U
- SAS3 12Gb/s Backplane
- 6TB Memory (96 DIMMs)
- Hot-Swap Power (2+2)

Xeon Quad Socket
The Ace Powerworks Server family provides custom flexibility with the highest quality components. The latest features combine with excellent scalability to support user requirements from the smallest workgroup to the largest corporate department and public sector clients.
### Feature | Powerworks 4G845V2 technical specifications
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**Form factor** | 4U Rackmount Chassis - Standard Depth

**Processors** | Intel® Xeon® Processor E7-4800v2 Processors (6/8/10/12/15 Core, Dual/Quad)

**Processor sockets** | 4

**Chipset / Architecture** | Intel® C602 - Up to 8.0 GT/s (2x Intel® QPI per CPU)

**Cache** | Xeon E7v2: 12M, 16M, 24M, 30M, 37.5M

**Optical / Connectivity** | External Optical / 2x USB 2.0 (2x Rear), 2x Serial (1x Rear, 1x Internal), VGA

**Memory** | up to 6TB DDR3 1600MHz ECC RDIMM/LRDIMM in 96 slots

**I/O slots** | 4x PCIe 3.0 x16, 7x PCIe 3.0 x8 (Full Memory replaces 3x PCIe 3.0 x8)

**RAID controller** | All RAID Options provided via optional PCIe Cards

**Drive bays** | up to forty eight 2.5" HDD / SSD (Hot-Swap), SAS-3 12Gb/s Supported

**Maximum internal storage** | Up to 76.8TB (Hot-Swap)

**Hard drives** | enterprise SAS 6GB (10K, 15K) up to 1.2TB; SAS SSD up to 1.6TB

**Embedded NIC** | 2x X540 10GbE LAN (RJ45), additional NIC options via PCIe

**Power supply** | 1620W 80+ PLATINUM (94%) RPS (2+2)

**System / Remote Mgmt** | BMC with Dedicated LAN Port for KVM (IPMI 2.0)

**Environmental / Reliability** | ENERGY STAR® compliant; 80 PLUS Certified Power Supplies; Operating Temperature 10°C to 35°C (50°F to 95°F); Non-Operating Temperature -40°C to 70°C (-40°F to 158°F)

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Note 1 - GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

**Ace Computers Worldwide Support and Service - US Based**
Contact your Ace Account Representative to discuss the best options for warranty coverage, maintenance and post-warranty support. Ace offers custom solutions, including taking advantage of your local IT staff, to reach the lowest total cost of ownership in the industry.

**Ace OEM Branding and Customization Program**
Ace Computers can customize any system, provide a bezel with your custom logo, and implement other custom features including BIOS splash screens and custom packaging. Get the look and feel you want. For more information, contact your Ace Account Representative.

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