Powerworks

1G626-CNODE

ACECOMPUTERS
expect a perfect fit

48TB Dual Xeon Linux Compute Node in a 1U!

Featuring 12 internal hard drives, the Ace Powerworks 1G626-CNODE is the highest storage density custom dual Intel Xeon Linux compute node available, providing 48TB of RAID Storage for scientific computing.

Maximum Storage Density

The Ace Powerworks Compute Node features integrated LSI 2308 SAS2 RAID, while providing excellent optional network connectivity with 1x PCIe 3.0 x8 Expansion Slot. The Ace Powerworks Compute Node features the Intel® Xeon® Processor E5-2600 Processors (2/4/6/8 Core, Single/Dual) in a 1U Rackmount Chassis - Extended Depth and 650W 80+ PLATINUM Power Supply optimized for rackmount chassis as well as other critical components. A 2 socket system providing up to 512GB DDR3 1600MHz ECC RDIMM in 16 slots, with Up to 48TB storage, Powerworks servers emphasize reliability, ease of service, and meeting your high availability expectations.

Powerworks 1G626-CNODE

- **Storage density in a 1U**
- **Integrated Dual Gigabit NIC**
- **Integrated SAS 6Gb/s RAID**
- **Ultra-dense maximum memory**

Linux Compute Node

The Ace Powerworks Compute Node family provides custom flexibility with the highest quality components. The latest features combine with excellent scalability to support user requirements from the smallest personal cluster to the largest research requirements.

Feature	Powerworks 1G626-CNODE technical specifications
Form factor	1U Rackmount Chassis - Extended Depth
Processors	Intel® Xeon® Processor E5-2600 Processors (2/4/6/8 Core, Single/Dual)
Processor sockets	2
Chipset / Architecture	Intel® C602 - Up to 8.0 GT/s (2x Intel® QPI per CPU)
Cache	Xeon E5-2600: 5M, 10M, 15M, 20M
Optical / Connectivity	External Optical / 3x USB 2.0 (2x Front, 1x Internal), VGA
Memory [1]	up to 512GB DDR3 1600MHz ECC RDIMM in 16 slots
I/O slots	1x PCIe 3.0 x8 (LP/HL)
RAID controller	RAID 0/1/10/5 (SATA2), RAID 0/1 (SATA3), RAID 0/1/10 (LSI 2308 SAS2)
Drive bays	up to twelve 3.5" HDD
Maximum internal storage [1]	Up to 48TB
Hard drives	nearline SAS (7.2K) up to 4TB; enterprise SAS 6GB (10K, 15K) up to 1.2TB; enterprise SATA 6GB (7.2K) up to 4TB
Embedded NIC	2x i350 Gigabit LAN (RJ45), additional NIC options via PCIe
Power supply	650W 80+ PLATINUM PS
System / Remote Mgmt	WPCM450 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); Trusted Platform Module Header (Optional)

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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