The Ace Powerworks 2G629-QG is a High Performance RSP server featuring 512GB maximum memory and flexible internal/external storage with Quad Gigabit NIC support. Front Access DVD (Std HH) and Front Access Smart Card Reader are included.

Five PCIe 3.0 Expansion Slots (LP)
The Ace Powerworks Server features the Intel® Xeon® Processor E5-2600/E5-2600v2 Processors (4/6/8/10/12 Core, Single/Dual) in a 2U Rackmount Chassis - Standard Depth and 500W Redundant Power Supplies optimized for rackmount chassis (hot swap) as well as other critical components. A 2 socket system providing up to 512GB DDR3 1600MHz ECC RDIMM in 16 slots, with Up to 19.2TB + 1x Internal 3.5" Drives storage, Powerworks servers emphasize reliability, ease of service, and meeting your high availability expectations. Ace systems support all standard operating systems (Windows, UNIX, LINUX), and are proven performers in virtualized environments.

Powerworks 2G629-QG
- PCIe 3.0-enabled expansion slots
- Up to Six SATA III (6Gb/s)
- Integrated Quad Gigabit NIC
- Trusted Platform Module (TPM)

Powerworks delivers
The Ace Powerworks Radar Signal Processing Server provides custom flexibility with the highest quality components. The latest features combine with excellent scalability to support government user requirements, meeting the demands for compactness and light weight.
### Feature | Powerworks 2G629-QG technical specifications
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**Form factor** | 2U Rackmount Chassis - Standard Depth

**Processors** | Intel® Xeon® Processor E5-2600/E5-2600v2 Processors (4/6/8/10/12 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/E5-2600v2: 10M, 15M, 20M, 25M, 30M

**Optical / Connectivity** | Front Optical / 7x USB 2.0 (4x Rear, 2x Front, 1x Internal), 2x Serial (2x Rear), VGA, 2x PS/2

**Memory** | up to 512GB DDR3 1600MHz ECC RDIMM in 16 slots

**I/O slots** | 4x PCie 3.0 x16 (x16/x16/x16/x0 or x16/x16/x8/x8), 1x PCie 3.0 x4, 1x PCI (all LP)

**RAID controller** | RAID 0/1/10/5 (SATA2), RAID 0/1/10 (SATA3), optional SAS RAID, internal SATA connections: 6x SATA3, 8x SATA2

**Drive bays** | flexible 2.5"/3.5" HDD/SSD (Hot-Swap, 3/4/6/8/12/18 drives) and one internal 3.5" HDD/SSD

**Maximum internal storage** | Up to 19.2TB + 1x Internal 3.5" Drives

**Hard drives** | enterprise SATA 6GB (7.2K) up to 6TB(3.5''); enterprise SATA 6GB (7.2K) up to 1TB(2.5''); SATA SSD

**Embedded NIC** | 4x 82574L Gigabit LAN (RJ45), additional NIC options via PCIe

**Power supply** | 500W RPS

**System / Remote Mgmt** | ASPEED AST2300 (IPMI 2.0) with Dedicated LAN Port

**Environmental / Reliability** | ENERGY STAR® compliant; 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

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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.

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**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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