

TECHNOLOGY BY ACER

ACER ALTOS SOLUTIONS



HIGHLIGHTS

- High density server 1U form factor
- High availability solution
- Best in class performance with Dual Intel Xeon Processors
- Tool-less design for highest serviceability and expandability
- Comprehensive systems management and installation solutions



The Acer Altos R520 is a value-packed, 1U server for Web and network infrastructures. The Acer Altos R520 is designed with all the performance a fast paced, fast growing front-end and single-function application demands in a 1U server. The 1U size and the 2-way processor capability provide the customers with a highly available, rack-optimized solution for single function and front-end applications.

Exceptional price performance

Flexible systems design methodologies allow you to configure the Acer Altos R520 to match you're the application requirement. The performance features include the Intel® Xeon® processor with Dual Core™ technology, Registered ECC DDR SDRAM DIMMs expandable to 16GB or 32GB for future investment protection. In addition, the increased number of memory channel increases the memory throughput performance fourfold over the previous generation product. The Acer Altos R520 introduces 2.5 inch disk drive technology, in both SATA and Serial Attached SCSI (SAS) variants. Modular system designs support an upgradeable RAID 5 path and also the ability to switch between PCI Express and legacy PCI interfaces.

Rack optimised

The Acer Altos R520 is a rack optimised solution, which will integrate smoothly into any standards based computing environment. When you're adding an Acer Altos R520 server to your existing network, you can do so with confidence, knowing that your server is built using proven Acer and Intel® technologies. Acer also offers a full range of Acer Altos rack equipment, which is designed for highest serviceability and optimum manageability.

Easy to install and manage

Acer Easybuild simplifies the installation and set-up, by providing an intuitive GUI based process and by providing all relevant tools to set up your Acer Altos R520. Advanced Server Manager Software makes comprehensive systems management easy. ASM provides performance management and critical event management services to network administrators. These components help you control IT expenses by making the Acer Altos R520 simple and efficient to manage.

Typical solution scenarios

- Front-end Server for:
 - Web hosting
 - Video Streaming
 - Media applications
- Utility infrastructure services:
 - Domain controller
 - Gateway
 - DNS
 - Firewall
 - Web apps
- Clustered application services



Specification**

PROCESSOR	<ul style="list-style-type: none"> • One or two 64-bit Quad-Core or Dual-Core Intel® Xeon® Processor 5000 sequence: <ul style="list-style-type: none"> - Up to 3.73 GHz with 2x 2 MB L2 cache - Up to 3 GHz with 4 MB L2 cache - Up to 2.66 GHz with 2x 4 MB L2 cache • Front-side bus: 1066/1333 MHz <ul style="list-style-type: none"> - Intel® Virtualization Technology - Hyper-Threading Technology - Intel® EM64T
OPERATING SYSTEMS	<ul style="list-style-type: none"> • Windows Server® 2003 Standard x64 Edition • Windows Server® 2003 Standard Edition • Red Hat Enterprise Linux 4.0 (EM64T) • Red Hat Enterprise Linux 4.0 • SUSE Linux Enterprise Server 9 (EM64T) • SUSE Linux Enterprise Server 9 • Novell® NetWare® 6.5
FORM FACTOR	1U rack mount
NUMBER OF PROCESSORS (STD/MAX)	1/2
CACHE (MAX)	4MB L2 (8MB L2)
MEMORY (MAX)	<ul style="list-style-type: none"> • Eight Fully Buffered DDR2 667 ECC registered DIMMs Supporting: <ul style="list-style-type: none"> - Quad-channel memory bus - 512 MB to 4 GB DIMMs for up to 32 GB of total system memory*** - Memory mirroring - Memory sparing
EXPANSION SLOTS	<ul style="list-style-type: none"> • 2 PCI Slots available • 1 low profile PCI Express X8 • 1 high profile PCI Express X8 changeable to PCI-X slot
DISK BAYS (TOTAL/HOT-SWAP)	<ul style="list-style-type: none"> • 6 Hot Swap disk ports available on standard configuration • Up to eight SAS/SATA HDDs
MAXIMUM INTERNAL STORAGE	<ul style="list-style-type: none"> • Up to eight SAS HDDs for a total of 1.168 TB of storage • Up to eight SATA HDDs for a total of 1.28 TB of storage
NETWORK	Integrated dual-port Gigabit Ethernet
POWER SUPPLY (STD/MAX)	650 W 1+1 hot-swap, redundant power supply 110/220 V (1/2)
HOT SWAP COMPONENTS	Hotswap Hard Drives, Hotswap redundant Power Supplies and EasySwap fans
RAID SUPPORT	Supports hot-plug SATA with 6 Channel SATA controller installed <ul style="list-style-type: none"> - Integrated SATA S/W RAID with RAID level 0, 1, 10 supported - Optional SATA S/W RAID 5 Supports hot-plug SAS/SATA with optional SAS upgrade kit installed <ul style="list-style-type: none"> - Integrated SAS S/W RAID with RAID level 0, 1, 10 supported - Optional SAS H/W RAID with RAID level 0, 1, 5, 6, 10, 50 supported
SECURITY FEATURES	<ul style="list-style-type: none"> • Altos EasyDiagnostics • External warning LED • Chassis intrusion alert
SYSTEMS MANAGEMENT	<ul style="list-style-type: none"> • Acer Altos Advanced Server Manager v7.1 • Acer Altos Easybuild v7.1
WARRANTY	3* Years on-site

*Verify specific warranty conditions on local Web sites.

**Verify specific model characteristics & configuration on Local Price list or Acer Web site.

*** When 4GB DIMMs become available



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