

Altos | R

R380 F2

The Altos R380 F2 is a robust two-socket system that is ideal for almost any application. With twelve 3.5" hard drives standard, and up to twenty-four 2.5" hard drives for expansion, this dynamic system can function as a head node or storage system for your HPC and technical computing environments. Add two Intel® Xeon® E5 v2 family processors, up to twenty-four DDR3 DIMMs, and eighty PCIe 3.0 lanes, and this system becomes a powerful core for your most demanding data-center needs.

Extreme expandability

With support for up to two Intel® Xeon® E5 v2 processors, twenty-four DDR3 memory slots, up to twelve 3.5" hard drives or twenty-four 2.5" hard drives, and six PCIe 3.0 slots plus optional redundant 750 W power supplies, the R380 F2 can be configured for any enterprise or high-performance application.

Energy-saving technology

As with all Acer rack servers, the R380 F2 uses only 80 PLUS certified power supplies. This server is equipped with up to two 750 W 80 PLUS Platinum-level power supplies, low-voltage memory modules, and the latest power-saving chipset technology to deliver maximum performance with minimum power-draw.

Robust I/O expandability

Qualified to work in any environment, the R380 F2 is tested to work with gigabit and 10 gigabit Ethernet connections, fibre channel, and even high-performance InfiniBand™ at both QDR and FDR levels. Plus, optional I/O modules can be equipped for dedicated iKVM remote management or additional LAN connectivity, saving valuable PCIe expansion. With eighty PCIe 3.0 lanes of bandwidth, the R380 F2 will keep up in any high-performance scenario.





Mainboard	Processor type	Up to 2 x Intel® Xeon® E5-2600 v2 processors		
	Chipset	Intel® C602 chipset		
	Graphics	BMC embedded controller: <ul style="list-style-type: none"> 128 MB shared video memory, 16 MB dedicated 		
	Memory ^{1,2,3}	Up to 24 x 1866/1600/1333/1066 MHz DDR3 registered/unbuffered ECC memory Registered DIMM size: 2/4/8/16/32 GB <ul style="list-style-type: none"> Up to 768 GB registered DDR3 DIMMs when populated, 24 slots Unbuffered DIMM size: 2/4/8 GB Up to 128 GB unbuffered DDR3 DIMMs when populated, 16 slots 		
	Expansion slots	6 x PCIe® 3.0 x8 slots (two slots use x16 connectors) <ul style="list-style-type: none"> Alternative risers provide 2 x PCIe® 3.0 x16 slots and 2 PCIe® 3.0 x8 slots 1 x I/O expansion (PCIe® 3.0) for management and interconnect modules 		
	Onboard ports	Front: <ul style="list-style-type: none"> LED indicators: power, HDD activity, LAN 2 x USB 2.0 ports⁴ Rear: <ul style="list-style-type: none"> 4 x Gigabit LAN ports (RJ-45) <ul style="list-style-type: none"> Management through port one Optional Dedicated Management port (RJ-45) System ID LED Serial LAN port (RJ-45) 3 x USB ports Video port Optional 10 GB Ethernet dual-port module 		
	SAS RAID ⁵	Intel® RSTe RAID 0/1/10/5 For SATA mode Intel® ESRT2 RAID 0/1/10 For SAS/SATA mode		
	LAN controller	Quad-port Intel® I350 Ethernet controller		
Security and service features	Chassis intrusion alert	Power-on password	Device boot control	
	Administrator/user password	Setup password	Optional TPM (v1.2-compliant)	
Sub-system availability	Power supply	2 x 750 W 80 PLUS® platinum-level efficiency, easy-swap power supply units (hot-swappable)		
	System cooling	High-power system fans		
	Storage	Up to 12 x 3.5" or 2.5" hot-swappable HDDs or Up to 24 x 2.5" hot-swappable HDDs		
Chassis	Form factor	2U rack optimized		
	Removable media bays	Optional slim-line ODD drive		
	Dimensions	430 (W) x 709 (D) x 87.4 mm (H) (16.93 x 27.95 x 3.44 inches)		
	Weight	35 kg (77 lbs.) maximum (all component slots and sockets fully populated)		
OS support		Microsoft® Windows Server® 2012 R2	SUSE® Linux® Enterprise Server 11	
		Microsoft® Windows Server® 2012	Red Hat® Enterprise Linux® 6	
		Microsoft® Windows Server® 2008 R2	VMware ESXi™ 5.0	
		Microsoft® Windows Server® 2008	Citrix XenServer® 6	
Server management utilities and applications		Acer Smart Server Manager Acer Smart Setup Acer Smart Console Optional iKVM module via Intel® Remote Management Module		
Warranty	3-year standard warranty or choose extended warranties and services ⁶			
Regulatory compliance	Emissions classification (EMC)	FCC (Class A)	CE (Class A)	BSMI (Class A)
	Industry standard compliance / safety	MET	CB	Nemko/GS

- Mixed use of registered memory and unbuffered ECC memory not supported.
- 16 GB and 32 GB memory availability may vary by region. 32 GB Quad-rank LRDIMMs are required for full 1.5 TB memory support.
- Intel® Xeon® E5-2600 v2 series processors required for speeds of 1866 MHz.
- Not available with 24 x 2.5" HDD configuration
- Hardware RAID not available with 2 x coprocessor or GPGPU configurations.
- Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.

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