



AR380 F1

The AR380 F1 is a high-performance, dual-socket server delivering excellent availability, expansion capability, and flexibility in a space-saving design. This 2U modular rack server is optimized for mid-sized businesses as well as enterprise business operations, including departments and branch offices.

Advanced technology for solid computing

The AR380 F1 packs the latest multi-core Intel® Xeon® processors with Intel® Quick Path Interconnect, along with DDR3 memory for dynamic scalability in high-speed, memory-intensive operations. In addition, two 80 PLUS® efficiency hot-pluggable PSUs and redundant system fans deliver uninterrupted operation.

Reliable components for superior flexibility

Hot-pluggable HDDs, seven expansion slots, and up to 18 DIMM slots allow scale-up business flexibility. Plus, a built-in 6-channel SATA HDD with software RAID 0, 1, 5 or 10 ensures data protection while Intel® Trusted Execution Technology blocks virtual machine hacking.

Proactive management for growing businesses

This 2U rack server comes installed with robust management solutions including Acer Smart Setup for rapid system configuration, Acer Smart Server Manager for smooth and collaborative data administration, and Acer Smart Server Console for system health monitoring, alert notification, and KVM-over-IP remote management.

Cost-effective growth, environment-friendly operation

The tool-less chassis design makes component access effortless, reducing maintenance and service costs. What's more, Acer expresses its concern for the environment by proudly supporting and participating in the Climate Savers® Computing Initiative and 80 PLUS® program for eco-consciousness.

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Specifications



Mainboard	Processor type	2 x Intel® Xeon® processors 5500/5600 series	
	Available processor with core and cache	Intel® Xeon® processor (Six-core)	<ul style="list-style-type: none"> X5570/X5560/X5550/E5540/E5530/E5520/L5530/L5520: 8 MB L3 E5507/E5506/E5504/L5506: 4 MB L3
		Intel® Xeon® processor (Quad-core)	<ul style="list-style-type: none"> E5640/E5630/E5620/X5667/L5630/L5609: 12 MB L3 E5503/E5502: 4 MB L3
		Chipset	Intel® 5520 chipset
Security and service features	Graphics	BMC embedded	
	Memory¹	<ul style="list-style-type: none"> 16 MB video memory 18 x registered or unbuffered memory DIMMs with Mirroring and Lock-step modes Registered DIMM size: 1/2/4/8/16² GB Up to 192 GB registered DDR3 1333/1066 DIMMs when populated, 12 slots Unbuffered DIMM size: 1/2/4 GB Up to 48 GB unbuffered DDR3 1333/1066 DIMMs when fully populated, 12 slots 	
	Expansion slots	Left-side riser	Right-side riser
		<ul style="list-style-type: none"> PCIe® 2.0 x8 slot (x16 connector) 2 x full-height PCIe® 2.0 x4 slots (x8 connector) Acer Flex I/O x8 slot 	<ul style="list-style-type: none"> 3 x low-profile PCIe® 2.0 x8 slots (x4 connector)³
Sub-system availability	Onboard ports	Front:	<ul style="list-style-type: none"> 2 x USB 2.0 ports 2 x PS/2 ports (keyboard and mouse)
		Rear:	<ul style="list-style-type: none"> Video port Management port (RJ-45) 2 x USB 2.0 ports Serial port Video port 4 x Gigabit LAN ports (RJ-45) ID LED
	RAID⁴ SAS	Intel® 82801JR (ICH10R) I/O Controller Hub (6 x 3 Gb/s SATA ports) with RAID 0, 1, 5, 10 support	
	LAN controller	Optional 8- / 4-port SAS RAID card	
OS support	Power supply	2 x integrated dual-port Intel® 82576EB Gigabit Ethernet controllers	
	System cooling	HDD carrier mechanical lock	Setup password
	Storage	Administrator/user password	Removable device boot control
			Optional TPM (v1.2-compliant)
Server management utilities and applications Warranty	Form factor	2 x 720 W 80 PLUS® Gold-level efficient power supply units (1+1 redundancy, hot-pluggable)	
	Removable media bays	2 x CPU heat sinks, supporting Intel® Xeon® processors with TDP up to 95 W	
	Dimensions	4 x system fans with PWM control (3+1 redundant, hot-pluggable)	
	Weight	Up to 4.8 TB SAS (16 x 300 GB 2.5" hot-pluggable HDDs)	Up to 3.6 TB SAS (6 x 600 GB 3.5" hot-pluggable HDDs)
Regulatory compliance		<ul style="list-style-type: none"> 2.5" SAS 15K RPM HDD capacity: 73/146 GB 2.5" SAS 10K RPM HDD capacity: 146/300 GB 	<ul style="list-style-type: none"> 3.5" SAS 15K RPM HDD capacity: 146/300/450/600 GB
		Up to 8 TB SATA (16 x 500 GB 2.5" hot-pluggable HDDs)	Up to 12 TB SATA (6 x 2 TB 3.5" hot-pluggable HDDs)
		<ul style="list-style-type: none"> 2.5" SATA 10K RPM HDD capacity: 150/300 GB 2.5" SATA 7,200 RPM HDD capacity: 160/500 GB 	<ul style="list-style-type: none"> 3.5" SATA 7,200 RPM HDD capacity: 250/500/750 GB, 1 / 2 TB
			Up to 1.024 TB SSD (16 x 64 GB 2.5" hot-pluggable SDDs)
			<ul style="list-style-type: none"> 2.5" SLC SSD x25-E: 32/64 GB
	BIOS	ACPI 3.0, BIOS 2.0, BIOS 1.0, BIOS 0.9, BIOS 0.8, BIOS 0.7, BIOS 0.6, BIOS 0.5, BIOS 0.4, BIOS 0.3, BIOS 0.2, BIOS 0.1	
	ACPI	ACPI 3.0, ACPI 2.0, ACPI 1.0, ACPI 0.9, ACPI 0.8, ACPI 0.7, ACPI 0.6, ACPI 0.5, ACPI 0.4, ACPI 0.3, ACPI 0.2, ACPI 0.1	
	OS support	Windows Server® 2008	SUSE® Linux® Enterprise Server 11
		Windows Server® 2008 R2	Red Hat® Enterprise Linux® 5.4
		Windows Server® 2003	VMware ESXi™ 4
		Acer Smart Console	VMware ESX™ 4
	Server management utilities and applications	Acer Smart Server Manager	BIOS Update tool
		Acer Smart Setup	Front and rear ID LED
			iBMC management controller supporting base board management and KVM-over-IP
	Warranty	3-year standard warranty or choose extended warranties and services ⁵	
	Emissions classification (EMC)	FCC (Class A)	CE
	Industry standard compliance / safety	(UL/cUL)	CB
			BSMI (Class A)

1. Mixed use of registered memory and unbuffered ECC memory not supported.
 2. 8 GB and 16 GB memory availability may vary by region.
 3. Right hand side PCIe® space has limitation for low-profile card; length within 5.6".
 4. Integrated Serial ATA RAID supports different RAID levels with different operating systems: RAID 0, 1, 5, 10 support on Windows®, and RAID 0,1,10 support for Linux® only.
 5. Extension warranty services may vary by country. Please contact Acer authorized resellers for more information.

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