AR580 F2

The Acer AR580 F2 is a high-performance, four-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-sized operations, including their departments and branch offices.

Advanced technology for solid computing

The AR580 F2 pairs the latest multi-core Intel® Xeon® processors with Intel® Quick Path Interconnect and DDR3 memory for dynamic scalability in high-speed, memory-intensive operations. In addition, this server ensures uninterrupted operations with its two 80 PLUS®-efficient hot-swappable power supplies and redundant system fans.

Reliable components for superior flexibility

This machine's hot-swappable HDDs, eight expansion slots, and up to 48 DIMM slots enable extensive flexibility. Plus, a built-in 8-channel SAS/SATA storage controller with software-based RAID 0, 1, 5 and 10 ensures data protection while Intel® Trusted Execution Technology blocks virtual machine hacking.

Proactive management for growing businesses

This 2U-sized rack server comes installed with robust management solutions, including Acer Smart Setup for rapid system configuration, as well as Acer Smart Server Manager for smooth and collaborative data administration.

Cost-effective growth, environment-friendly operation

The AR580 F2 is built around a no-tools-required chassis that enables easy access to its internal components, reducing maintenance and service costs. This server also embodies Acer's participation in the Climate Savers® Computing Initiative and 80 PLUS® program for energy efficiency.

Mainboard	Processor type	Up to 4 x Intel® Xeon® processors E5–4600 series	
	Chipset	Intel® C602 chipset	
	Graphics	BMC embedded • 128 MB shared video memory, 16 MB dedicated	
	Memory[1, 2, 3]	48 x memory modules with mirroring and lock-step modes Up to 1.5 TB DDR3 memory when all 48 slots are fully populated Registered DIMM size: 1/2/4/8/16/32 GB DDR3 1600/1333/1066 Un-buffered DIMM size: 1/2/4/8 GB DDR3 1333/1066	
	Expansion slots	• 4 x PCIe 3.0 x16 (external) • 2 x IO module slots	2 x PCIe 3.0 x16 (internal)
	Onboard ports	**Front:** • ODD • LED indicators: power, HDD activity, LAN, ID LED, System Status LED	
		Rear: • 4 x USB ports • 2 x 10 Gigabit LAN port (RJ-45) (1 GbE compatible)	• Video port • Serial port • System ID LED • Management port (RJ-45)
	SAS RAID	Intel® RSTe RAID 0/1/10/5 for SATA mode Intel® ESRT2 RAID 0/1/10 for SAS/SATA mode Standard hardware SAS RAID controller with RAID 0, 1, 10, 5, 6, 50, 60 and BBU support[4]	
	LAN controller	1x Intel X540 Dual-port 10 Gb Ethernet controller	

Security and service features		Chassis intrusion alert Administrator/user password	Power-on password Setup password Device boot control	Optional TPM (v1.2-compliant) Secure IPMI LAN interface (Authentication, Integrity, and Confidentiality algorithm)

Sub-system availability	Power supply	2 x 1600 W 80 PLUS® platinum-level efficiency, easy-swap power supply units (1+1 redundant, hot-swappable)
	System cooling	N+1 redundant system fans
	Storage	• 8 x 2.5" SATA/SAS hot-swappable HDDs

Chassis	Form factor	2U rack optimized
	Removable media bays	Optional slim-line ODD drive
	Dimensions	438.4 (W) x 712.0 (D) x 87.3 mm (H) (17.24 x 28.0 x 3.43 inches)
	Weight	39 kg (88.1 lbs.)

OS support		Microsoft® Windows Server® 2012 Microsoft® Windows Server® 2008 R2 Microsoft® Windows Server® 2008 SUSE® Linux® Enterprise Server 11	Red Hat® Enterprise Linux® 6 Red Hat® Enterprise Linux® 5 VMware ESXi™ 5.0

Server management utilities and applications		Acer Smart Server Manager Acer Smart Setup Acer Smart Console	BIOS Update tool Front and rear ID LED IPMI Firmware Update tool

Warranty	3-year standard warranty or choose extended warranties and services[5]

Regulatory compliance	Emissions classification (EMC)	FCC (Class A)	CE (Class A)	BSMI (Class A)
	Industry standard compliance / safety	MET	CB	Nemko/GS

1. Mixed use of registered memory and unbuffered ECC memory not supported.
2. 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.
3. 1600 MHz DIMMs can only be populated up to two DIMMs per channel.
4. Hardware RAID not available with 2 x coprocessor or GPGPU configurations.
5. Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.

About Acer
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