

# AR320 F2

The AR320 F2 single-socket server delivers great performance and enterprise-level scalability in a space-saving design. Proactive management utilities effectively handle SMB as well as enterprise business operations, including departments and branch offices.

## Advanced technology for solid computing

This rack server packs a mighty Intel® Xeon® processor that features Intel® Turbo Boost and Intel® Hyper-Threading Technology, delivering optimized performance in multiple-threaded workloads. In addition, 80 PLUS® efficient PSU and DDR3 memory ensure fast, uninterrupted operation.

## Smart components for reliable data processing

The AR320 F2 is loaded with redundant fans, hot-pluggable HDDs, and single-port Gigabit Ethernet controllers that support iSCSI Boot for seamless, speedy data transmission. Your data is also secured with this server's built-in 6-channel SATA with software RAID 0, 1, 5 or 10.

## Proactive management in just 1U

This 1U rack server comes installed with full management solutions: Acer Smart Setup for rapid OS configuration, Acer Smart Server Manager for effective data administration, and Acer Smart Server Console for system health data, alert notification, and KVM-over-IP remote management.

## Cost-effective growth, earth-friendly operation

Component access is effortless with the AR320 F2's streamlined and tool-less chassis design, reducing your maintenance and service costs while preserving space for expansion. Topping it off, this rack server is ENERGY STAR® certified.



Acer recommends Windows.



## AR320 F2

## SPECIFICATIONS

<b>Mainboard</b>	<b>Processor type</b>	Intel® Xeon® E3-1200 v2 processors	Intel® Xeon® E3-1200 processors	Intel® Core™ i3 processors
	<b>Chipset</b>	Intel® C204 chipset		
	<b>Graphics</b>	ASpeed 2150 controller 128 MB shared video memory, 32 MB dedicated		
	<b>Memory<sup>1</sup></b>	4 x DIMM slots <ul style="list-style-type: none"> <li>Up to 32 GB, using 8 GB ECC un-buffered DDR3 DIMMs when populated, 4 slots<sup>2</sup></li> </ul>		
	<b>Expansion slots<sup>3</sup></b>	<ul style="list-style-type: none"> <li>PCIe® 3.0 x8 slot (x16 connector) low profile</li> <li>PCIe® 3.0 x8 slot (x8 connector) low profile</li> </ul>		
	<b>Onboard ports</b>	<b>Front:</b> <ul style="list-style-type: none"> <li>2 x USB 2.0 ports</li> <li>LED indicators: power, HDD activity, LAN</li> </ul> <b>Rear:</b> <ul style="list-style-type: none"> <li>6 x USB 2.0 ports</li> <li>Management port (RJ-45)</li> <li>Serial port</li> <li>Video port</li> <li>2 x Gigabit LAN ports (RJ-45)</li> <li>System ID LED</li> </ul>		
	<b>RAID SAS</b>	Integrated Intel® C204 chipset, I/O co- controller (4 x 3 Gb/s and 2 x 6 Gb/s SATA ports) with RAID 0, 1, 5 or 10 support Optional SAS RAID card		
<b>LAN controller</b>	2 x single-port Intel® Gigabit Ethernet controllers			
<b>Security and service features</b>		HDD mechanical lock Chassis intrusion alert Secure command line interface (SSH)	Administrator/user password Power-on password Setup password Secure browser interface (Secure socket layer – SSL support)	Device boot control Optional TPM (v1.2-compliant) Secure IPMI LAN interface (Authentication, Integrity, and Confidentiality algorithm)
	<b>Power supply</b>	400 W 80 PLUS® Gold-level efficient fixed power supply or Optional 2 x 400W 80 PLUS Gold-level (1+1 redundant, hot-swappable)		
<b>Sub-system availability</b>	<b>System cooling</b>	N+1 redundant system fans		
	<b>Storage</b>	4 x 3.5" hot-swappable HDDs		
<b>Chassis</b>	<b>Form factor</b>	1U rack optimized		
	<b>Removable media bays</b>	Optional slim-line ODD drive		
	<b>Dimensions</b>	444 (W) x 638 (D) x 43 (H) mm (17.5 x 25.1 x 1.7 inches)		
	<b>Weight</b>	12.7 kg (28.7 lbs.) maximum (all component slots and sockets fully populated) 10.3 kg (23.27 lbs.) minimum (HDD, power supply, and processor installed)		
<b>OS support</b>		Microsoft® Windows Server® 2012 (available Q4 2012) Microsoft® Windows Server® 2008 Microsoft® Windows Server® 2008 R2 Red Hat® Enterprise Linux® 5 / 6 Novell® SUSE® Linux® Enterprise Server 10 / 11		
<b>Server management utilities and applications</b>		Acer Smart Console Acer Smart Server Manager Acer Smart Setup	Front and rear ID LED button BMC Management controller, supporting base board management and KVM-over-IP	
<b>Warranty</b>		3-year standard warranty or choose extended warranties and services <sup>4</sup>		
<b>Regulatory compliance</b>	<b>Emissions classification (EMC)</b>	FCC (Class A)	CE (Class A)	BSMI (Class A)
	<b>Industry standard compliance / safety</b>	UL/cUL	CB	Nemko/GS

- Mixed use of registered memory and unbuffered ECC memory is not supported.
- Support for 8 GB UDIMMs may vary by regional availability.
- PCIe® 3.0 support with Intel Xeon® E3-1200 v2 processors and select Intel® Core™ i3 and Intel® Pentium® processors.
- Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.