

Altos | R

R360 F3

The Altos R360 F3 is a robust two-socket 1U system that is ideal for almost any application. This dynamic system can function as a head node or used for virtualization purposes for your HPC (High-Performance Computing) and technical computing environments. Extremely powerful and highly efficient, this system functions as the core for your most demanding data-center needs.

Extremely powerful

The R360 F3 supports up to two Intel® Xeon® E5-2600 v3 product family processors, and high-performance DDR4 memory occupying twenty-four DIMM slots. Storage options include up to four 3.5" or eight 2.5" front-accessible, hot-swap hard drives. Hard drives can be configured in 12Gb/s SAS RAID and SAS HBA for increased performance and data availability. In its 1U form factor, it packs the same computing power in half the space when compared to a 2U system.

Highly efficient

As with all Acer rack servers, the R360 F3 uses only 80 PLUS-certified power supplies. This server can be equipped with up to two 750 W 80 PLUS Platinum-level power supplies. Combine this with Load Reduced DIMM memory modules and the latest power-saving chipset technologies, this system delivers maximum performance with minimum power-draw. Six, dual-rotor system fans keep the system running cool at all times.

Flexible and robust I/O

Qualified to work in any environment, this system has dual 10 Gigabit or Gigabit Ethernet connectors onboard. It also has up to 2 PCIe 3.0 slots. In addition, dedicated I/O module and SAS module slots save customers valuable PCIe expansion. Users can rest assured the R360 F3 will keep up in any high-performance scenario.





Mainboard	Processor type	Up to 2 x Intel® Xeon® E5-2600 v3 series			
	Chipset	Intel® C612 chipset			
	Graphics	<ul style="list-style-type: none"> • Integrated 2D video controller • 16 MB DDR3 memory 			
	Memory	Memory type	Registered / Load Reduced DDR4 ECC memory		
		Capacities	8 / 16 GB DIMMs Registered 32 GB DIMMs Load Reduced		
	Expansion slots	DIMM number	24		
		Max memory	768GB (LRDIMM) or 384 GB (RDIMM)		
Onboard ports	<ul style="list-style-type: none"> • Two riser cards provide 1 x PCIe® 3.0 x16 (CPU 1) and 1 x PCIe® 3.0 x16 (CPU2) • 1 x I/O module expansion slot • 1 x SAS RAID module expansion slot 				
	Front: <ul style="list-style-type: none"> • LED indicators: power, HDD activity, LAN, system ID • Front VGA, 2 x USB 3.0 ports Rear: <ul style="list-style-type: none"> • 2 x Gigabit or 10Gigabit LAN ports (RJ-45) • Management port (RJ-45) • PCIe expansion via riser cards • Video port • 3 x USB 3.0 ports • Serial Port B (optional) 				
SAS RAID	Intel® ESRT2 SATA RAID 0, 1, 5, 10 (RAID 5 requires key) or Intel® RSTe software SATA RAID 0, 1, 5, 10 (Windows OS support only) Optional hardware SAS RAID				
LAN controller	<ul style="list-style-type: none"> • Dual-port Ethernet controller • Intel® X540 (Dual-port 10GbE) or Intel I350 (Dual-port 1GbE) 				
Security and service features	<ul style="list-style-type: none"> • Administrator/user password • Power-on password • Setup password • Device boot control • Secure command line interface (SSH) • Secure browser interface (Secure socket layer - SSL support) • Secure IPMI LAN interface (Authentication, Integrity, and Confidentiality algorithm) 				
	<ul style="list-style-type: none"> • 1+0/1+1 redundant, hot-swappable power supply units. Two power supply options: <ul style="list-style-type: none"> - 750 W 80 PLUS® Platinum-certified AC power supply - 750 W 80 PLUS® Gold-certified DC power supply 				
Sub-system availability	Power supply				
	System cooling	<ul style="list-style-type: none"> • Six, dual-rotor system fans keep the system running cool at all times 			
Chassis	Storage	<ul style="list-style-type: none"> • Hard disk form factor: 3.5" or 2.5" • Type: SAS / SATA / SSD with hot-plug capability • Up to 4 x 3.5" or 8 x 2.5" hard drives or SSDs (with an option to replace four hard drives with four PCIe SFF/NVMe SSDs) • Slim-line optical drive (optional) 			
	Form factor	1U rack optimized			
OS support	Dimensions	439 (W) x 769 (D) x 43.2 (H) mm (17.25 x 30.25 x 1.7 inches)			
	Microsoft® Windows Server® 2012 R2		Red Hat® Enterprise Linux® 6.5		
Server management utilities and applications	SUSE® Linux® Enterprise Server 11 SP3		VMware ESXi™ 5.5		
	<ul style="list-style-type: none"> • Acer Smart Server Manager • Embedded BMC controller with IPMI 2.0 compatibility • System ID LED buttons, System Health LED • Smart Console remote monitoring and optional KVM over IP management to OS level • Optional Local Control Panel 				
	Warranty				
	3-year standard warranty or choose extended warranties and services ¹				
Regulatory compliance	Emissions classification (EMC)	FCC (Class A)	CE (Class A)	BSMI (Class A)	CCC
	Industry standard compliance / safety	MET	CB		

1. Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.

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