

Altos | R

R380 F3

The Altos R380 F3 is a robust two-socket 2U system that is ideal for almost any application. This dynamic system can function as a head node, for virtualization purposes, or as a storage system for your HPC (High-Performance Computing) and technical computing environments. Extremely expandable and highly efficient, this system is a powerful core for your most demanding data-center needs.

Extremely powerful

The R380 F3 supports up to two Intel® Xeon® E5-2600 v3 product family processors, and high-performance DDR4 memory occupying twenty-four DIMM slots. There is no shortage of storage capability with up to twelve 3.5" or twenty-four 2.5" front-accessible, hot-swap hard drives, two 2.5" internal drive bays and two 2.5" rear-accessible hot-swap drive bay options. Hard drives can be configured in 12Gb/s SAS RAID and SAS HBA for increased performance and data availability.

Highly efficient

As with all Acer rack servers, the R380 F3 uses only 80 PLUS-certified power supplies. This server can be equipped with up to two 750 W or 1100 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 managed, hot-swappable 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 7 PCIe 3.0 slots and 1 PCIe 2.0 slot, maximizing your expansion options. In addition, dedicated I/O module and SAS module slots save customers valuable PCIe expansion. Users can rest assured the R380 F3 will keep up in any high-performance scenario.





	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		
		DIMM number	24		
		Max memory	768GB (LRDIMM) or 384 GB (RDIMM)		
	Expansion slots	<ul style="list-style-type: none"> • Three riser slots provide: 			
		Riser slot 1:	3-slot riser card: 2 x PCIe® 3.0 x8 (x16 connector) and 1 x PCIe® 3.0 x8 (x8 connector), or 2-slot riser card: 1 x PCIe 3.0 x16 (x16 connector) and 1 x PCIe 3.0 x8 (x8 connector)		
		Riser slot 2:	3-slot riser card: 2 x PCIe® 3.0 x8 (x16 connector) and 1 x PCIe® 3.0 x8 (x8 connector), or 2-slot riser card: 1 x PCIe 3.0 x16 (x16 connector) and 1 x PCIe 3.0 x8 (x8 connector)		
		Riser slot 3:	2-slot riser card: 1 x PCIe 3.0 x8 (x8 connector) and 1 x PCIe 2.0 x 4 (x8 connector)		
		<ul style="list-style-type: none"> • 1 x I/O module expansion slot • 1 x SAS RAID module expansion slot 			
	Onboard ports	Front:	<ul style="list-style-type: none"> • LED indicators: power, HDD activity, LAN, system ID • Front VGA, 2 x USB 3.0 ports (8 x 3.5"/16 x 2.5") • 1 x USB 2.0 port (12 x 3.5"/24 x 2.5") 		
		Rear:	<ul style="list-style-type: none"> • 2 x Gigabit or 10Gigabit LAN ports (RJ-45) • Management port (RJ-45) • PCIe expansion via riser card • Serial Port B (optional) • Video port • 3 x USB 3.0 ports • Serial Port A (RJ-45) • 2 x 2.5" SSDs (hot-swappable, 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	Dual-port Intel® I350 Ethernet Controller (1GbE) or Dual-port Intel X540 Ethernet Controller (10GbE)			
		<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) 			
	Power supply	<ul style="list-style-type: none"> • 1+0/1+1 redundant, hot-swappable power supply units. Three power supply options: <ul style="list-style-type: none"> - 750 W 80 PLUS® Platinum-certified AC power supply - 1100 W 80 PLUS® Platinum-certified AC power supply - 750 W 80 PLUS® Gold-certified DC power supply 			
	System cooling	<ul style="list-style-type: none"> • Six managed, hot-swappable fans keep the system running cool at all times 			
	Storage	<ul style="list-style-type: none"> • Hard disk form factor: 3.5" or 2.5" • Type: SAS / SATA / SSD with hot-plug capability • Front: up to 12 x 3.5" or 24 x 2.5" hard drives or SSDs (option to replace 4 hard drives with 4 PCIe SFF/NVMe SSDs) • Rear: up to 2 x 2.5" SSDs (optional) • Internal: up to 2 x 2.5" SSDs (optional) • Slim-line optical drive (optional) 			
	Form factor	2U rack optimized			
	Removable media bays	Optional slim-line ODD drive			
	Dimensions	750 W SKU 439 (W) x 769 (D) x 89 (H) mm (17.25 x 30.25 x 3.5 inches) 1100 W SKU 439 (W) x 793.8 (D) x 89 (H) mm (17.25 x 31.25 x 3.5 inches)			
	OS support	Microsoft® Windows Server® 2012 R2 SUSE® Linux® Enterprise Server 11 SP3		Red Hat® Enterprise Linux® 6.5 VMware ESXi™ 5.5	
	Server management utilities and applications	<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			
	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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