# acer

The AR380 F2 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 F2 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-swappable power supplies and redundant system fans deliver uninterrupted operation.

## Reliable components for superior flexibility

Hot-swappable HDDs, six expansion slots, and up to 24 DIMM slots allow scale-up business flexibility. Plus, a built-in 8-channel SAS/SATA storage controller with software RAID 0, 1, 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.

# AR380 F2

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| **Mainboard** | Processor type | Up to 2 x Intel® Xeon® processors E5-2600 series | |
| | Chipset | Intel® C606 chipset | |
| | Graphics | BMC embedded<br>• 128 MB shared video memory, 16 MB dedicated | |
| | Memory[1, 2, 3] | 24 x registered or 16 x unbuffered memory DIMMs with Mirroring and Lock-step modes<br>Up to 384 GB DDR3 1600/1333/1066 DIMMs when fully populated in 24 slots<br>Registered DIMM size: 1/2/4/8/16 GB<br>Unbuffered DIMM size: 1/2/4/8 GB | |
| | Expansion slots | **Left-side (full-height, full-length)**<br>• 1 x PCIe® 3.0 x16 slot (x16 bus)[4]<br>• 1 x PCIe® 3.0 x8 slot (x8 bus)<br>• 1 x PCIe® 3.0 x16 slot (x16 bus)<br>• 1 x PCIe® 3.0 x8 slot (x8 bus) half-length | **Right-side (low-profile, half-length)**<br>• 1 x PCIe® 3.0 x8 slot (x8 bus)[4]<br>• 1 x PCIe® 3.0 x8 slot (x8 bus)[4] |
| | Onboard ports | **Front:**<br>• 2 x USB 2.0 ports<br>• Video port<br>• LED indicators: power, HDD activity, LAN<br>**Rear:**<br>• PS2 mouse and keyboard port<br>• 2 x USB ports<br>• 4 x Gigabit LAN port (RJ-45)<br>• Video port | • Serial port<br>• System ID LED<br>• Management port (RJ-45) |
| | RAID[5] | Intel® 606 chipset with SCU (8 x 3 Gb/s SATA / SAS ports) with RAID 0, 1, 10 support | |
| | SAS | Onboard SAS support for RAID 0, 1, 10<br>Optional hardware SAS RAID controller with RAID 0, 1, 10, 5, 6, 50, 60 and BBU support | |
| | LAN controller[6] | 2 x dual-port Intel® I350 Ethernet Controllers | |

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| **Security and service features** | | HDD mechanical lock<br>Chassis intrusion alert<br>Secure command line interface (SSH) | Administrator/user password<br>Power-on password<br>Setup password<br>Secure browser interface (Secure socket layer - SSL support) | Device boot control<br>Optional TPM (v1.2-compliant)<br>Secure IPMI LAN interface (Authentication, Integrity, and Confidentiality algorithm) |

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| **Sub-system availability** | Power supply | 2 x 920 W 80 PLUS® Platinum-level efficient easy-swap power supply units (1+1 redundant, hot-swappable) | |
| | System cooling | N+1 redundant system fans | |
| | Storage | • 6 x 3.5" hot-swappable HDDs<br>• 16 x 2.5" hot-swappable HDDs | |

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| **Chassis** | Form factor | 2U rack optimized | |
| | Removable media bays | Optional slim-line ODD drive | 1 x 5.25" media drive bay |
| | Dimensions | 438.4 (W) x 705 (D) x 88.1 mm (H) ( 17.3 x 27.8 x 3.5 inches) | |
| | Weight | 39 kg (88.1 lbs) | |

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| **OS support** | Windows Server® 2008<br>Windows Server® 2008 R2<br>SUSE® Linux® Enterprise Server 10<br>SUSE® Linux® Enterprise Server 11 | Red Hat® Enterprise Linux® 5<br>Red Hat® Enterprise Linux® 6<br>VMware ESXi™ 5.0<br>Citrix Xen Server 6 |

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| **Server management utilities and applications** | Acer Smart Console<br>Acer Smart Server Manager<br>Acer Smart Setup | BIOS Update tool<br>Front and rear ID LED<br>IPMI Firmware Update tool |

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| **Warranty** | 3-year standard warranty or choose extended warranties and services[7] |

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

1. **Mixed use of registered memory and unbuffered ECC memory not supported.**
2. **8 GB and 16 GB memory availability may vary by region. 16 GB Dual-rank DIMMs required to reach full 384 GB memory support.**
3. **1600 MHz DIMMs can only be populated up to two DIMMs per channel**
4. **Second CPU required.**
5. **Onboard Intel SAS RAID only supports Windows environments; future support for onboard LSI software SAS RAID to be available in Q3 2012 and will support Linux environments.**
6. **Each CPU enables two LAN ports (two CPUs are needed to access all four LAN ports).**
7. **Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.**

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