

AW2000h w/AW170h

The Acer AW2000h w/W170h F2 provides first-class performance, innovative technology, high configurability, and comprehensive management features. The 2U rack-mountable form factor saves space and maximizes computing power while ensuring future-proof scale-out possibilities with four independent nodes and up to eight Intel® Xeon® processors. The AW2000h w/W170h F2 is perfect for high-performance computing, clustered virtual environments, and cloud-use scenarios.

Highly efficient enterprise performance

The industry standard-setting design can accommodate up to four nodes, which can be a combination of the AW170h F2, AW170hq F2, or AW170hf F2 — each supporting up to two Intel® Xeon® E5-2600 v2 series processors, eight DDR3 registered/unbuffered ECC DIMMs, and up to three SATA/SAS HDDs.

Maximized space and power savings

This 2U rack-optimized system offers four times the computing density per chassis with half the number of power supplies. The two 1600 W 80 PLUS® Platinum-level redundant power supplies yield big savings.

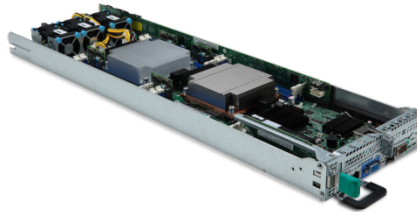
Simplified deployment, unified management

Acer Smart Setup offers rapid server configuration and deployment. Acer Smart Server Manager and the iKVM web console provide an intuitive web-based interface for system management via the Intel® Remote Management Module.

Nodes¹

- Up to four AW170h F2 nodes with standard low-profile PCIe® 3.0 slot
- Up to four AW170hq F2 nodes with standard low-profile PCIe® 3.0 slot and QDR InfiniBand™ module
- Up to four AW170hf F2 nodes with standard low-profile PCIe® 3.0 slot and FDR InfiniBand™ module





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|---|---|---|--|----------------|
| Mainboard per node (up to 4 nodes) | Processor type | Up to 2 x Intel® Xeon® processors E5-2600 v2 series | | |
| | Chipset | Intel® C602 chipset | | |
| | Graphics | BMC embedded Emulex controller: <ul style="list-style-type: none"> 128 MB shared video memory, 16 MB dedicated | | |
| | Memory ^{1,2} | Up to 16 x 800/1066/1333/1600/1866 MHz DDR3/DDR3L registered/unbuffered ECC memory ³ Registered DIMM size: 2/4/8/16 GB <ul style="list-style-type: none"> Up to 256 GB registered DDR3 DIMMs when populated, 16 slots Unbuffered DIMM size: 2/4/8 GB <ul style="list-style-type: none"> Up to 128 GB unbuffered DDR3 DIMMs when populated, 16 slots | | |
| | Expansion slots | 1 x PCIe® 3.0 x16 slot, supporting low-profile/half-height PCIe® cards 1 x I/O module connector for management and interconnect modules | | |
| | Onboard ports | Front: <ul style="list-style-type: none"> LED indicators: power, HDD activity, LAN Rear: <ul style="list-style-type: none"> 2 x Gigabit LAN ports (RJ-45) <ul style="list-style-type: none"> Management through port one Optional Dedicated Management port (RJ-45) System ID LED | | |
| SAS RAID | Intel® RSTe RAID 0/1/10/5 for SATA mode Intel® ESRT2 RAID 0/1/10 for SAS/SATA mode | | | |
| LAN controller | Dual-port Intel® I350 Ethernet controller | | <ul style="list-style-type: none"> Optional onboard QDR / FDR InfiniBand™ port⁴ 2 x USB ports Video port Optional 10 Gb Ethernet dual-port module | |
| Security and service Features | Administrator/user password | Power-on password | | |
| | Setup password | Device boot control | | |
| Sub-system availability | Power supply | 2 x 1600 W 80 PLUS® platinum-level efficiency, easy-swap power supply units (hot-swappable) | | |
| | System cooling | High-power system fans | | |
| | Storage | Up to 3 x 3.5" or 2.5" hot-swappable HDDs per node, or Up to 4 x 2.5" SAS/SATA hard drives per node | | |
| Chassis | Form Factor | 2U rack optimized (4 nodes) | | |
| | Dimensions | 438 (W) x 771 (D) x 87.9 mm (H) (17.24 x 30.35 x 3.46 inches) | | |
| | Weight | 38 kg (83.8 lbs.) maximum (all component slots and sockets fully populated) | | |
| OS support | Microsoft® Windows Server® 2012 R2 | SUSE® Linux® Enterprise Server 11 | | |
| | Microsoft® Windows Server® 2008 R2 | Red Hat® Enterprise Linux® 5 / 6 | | |
| | Microsoft® Windows Server® 2008 | VMware ESXi™ 5.0 | | |
| Server management utilities and applications | Acer Smart Setup Resource CD Acer Smart Server Manager Optional iKVM module via Intel® Remote Management Module | | | |
| 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 |
| | | | | |

- Mixed use of registered memory and unbuffered ECC memory not supported.
- 16 GB memory availability may vary by region.
- 800/1066 MHz DDR3L DIMMs not supported. Intel® Xeon® E5-2600 v2 series processors required for speeds of 1866 MHz.
- Onboard InfiniBand™ support is available on the AW170hq (QDR) node and AW170hf (FDR) nodes.
- Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.

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