AW2000h w/AW370h

The Acer AW2000h w/AW370h 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/AW370h 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 AW370h F2, AW370hq F2, or AW370hf F2 — each node supports up to two Intel® Xeon® E5-2600 v2 series processors, sixteen DDR3 registered/unbuffered ECC DIMMs, and three 3.5" (or four 2.5") 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.
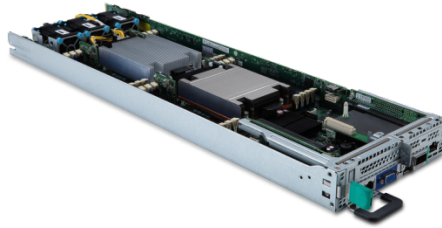
Simplified deployment, unified management

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.

Nodes[1]

- Up to four AW370h F2 nodes with low-profile PCIe® 3.0 slots
- Up to four AW370hq F2 nodes with low-profile PCIe® 3.0 slots and QDR InfiniBand™ module
- Up to four AW370hf F2 nodes with low-profile PCIe® 3.0 slots and FDR InfiniBand™ module

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: • 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 • Up to 256 GB registered DDR3 DIMMs when populated, 16 slots Unbuffered DIMM size: 2/4/8 GB • 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: • LED indicators: power, HDD activity, LAN Rear: • 2 x Gigabit LAN ports (RJ-45) • Management through port one • Optional Management port (RJ-45) • System ID LED • Optional onboard QDR / FDR InfiniBand™ port[4] • 2 x USB ports • Video port • Optional 10 Gb Ethernet dual-port module
	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
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-certified, easy-swap power supply units (hot-swappable, 1+1 redundant)
	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	CCC	CEL

1. Mixed use of registered memory and unbuffered ECC memory not supported.
2. 16 GB memory availability may vary by region.
3. 800/1066 MHz DDR3L DIMMs not supported.
4. Onboard InfiniBand™ support is available on the AW370hq (QDR) node and AW370hf (FDR) nodes.
5. Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.

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