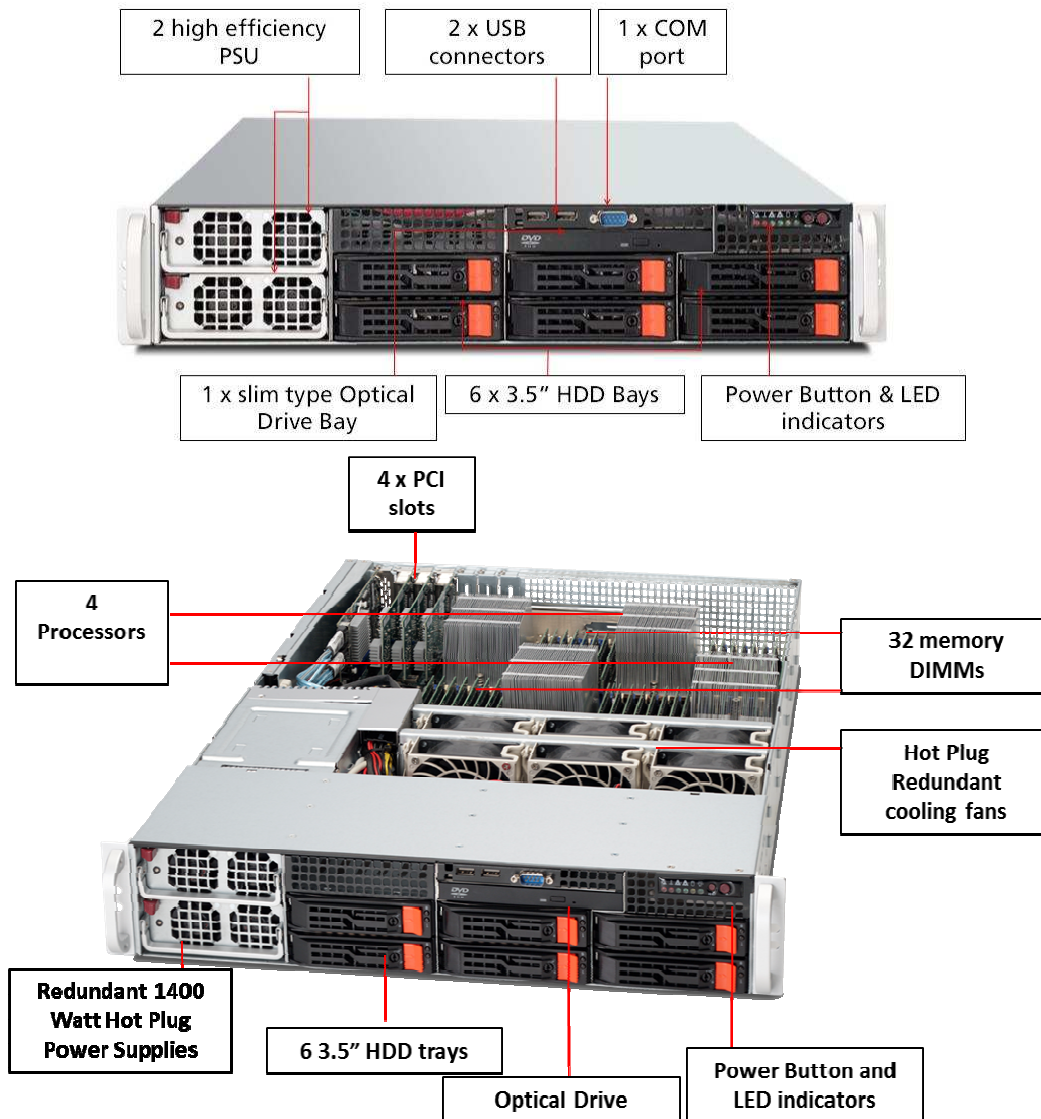


AR585 F1 Product Overview

The Acer AR585 F1 is a four-socket 2U server for space-conscious users who demand the highest performance and utmost expansion capability. Delivering the latest technology, this server was designed for cost-effective growth and includes a comprehensive list of management features.

Product Front View

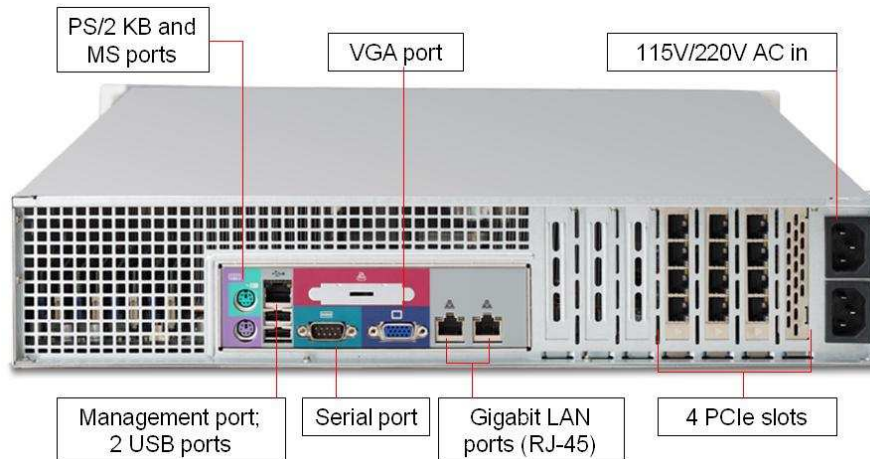


Product Inside View

1. 32 x ECC DDR3 1066/1333 MHz registered or unbuffered memory slots
2. 4 x AMD Opteron™ 6100 series processors supporting up to 12-cores per processor
3. 2 x 1400 W 80 PLUS® gold level efficient front mount hot-swap power supplies (1+1 redundant)
4. Hot-plug redundant system cooling fans
5. 2 x USB 2.0 connectors
6. Power button, System ID button, LED indicators (Power, HDD activity, LAN 1-2 status, system ID/status/fault)
7. Support for up to six 3.5" hot-plug SATA or SAS hard disk drives
8. Slim-line Optical drive bay
9. 4 x PCI Express® slots

Acer AR585 F1 Specifications

Product Rear View



1. PS2 keyboard connector
2. PS2 mouse connector
3. 2 x USB 2.0 connectors
4. Management IPMI LAN connector
5. COM (Serial) connector
6. Video connector
7. 2 x Gigabit LAN connectors
8. ID LED

What's New

- New AMD Opteron™ 6100 series processors
- 2 x 1400 W 80PLUS® gold-level efficient power supply units (1+1 redundant, hot-pluggable)
- DDR3 memory

Product Specifications

Processors and Chipset

- Up to four AMD Opteron™ 6100 series processors
- Chipset: AMD SR5690 and SR5670/SP5100

Memory¹

- Memory capacity:
 - Registered DIMM: 2, 4, 8, 16 GB²
 - Unbuffered DIMM: 2, 4 GB
- Up to 512 GB registered DIMMs when fully populated with 2 DIMMs per channel in 32 slots
- Up to 128 GB unbuffered DIMMs when fully populated with 2 DIMMs per channel in 32 slots

Network Controllers

- Integrated Intel® 82576EB Gigabit Ethernet Controller with dual ports

¹ Mixed use of registered memory and unbuffered ECC memory not supported.

² 16 GB memory modules available by special request only.

Acer AR585 F1 Specifications

Storage

- Hard disk form factor: 3.5"
- Type: SAS/ SATA with hot-plug capability
- HDD capacities (enterprise level):
 - 3.5" SAS HDD capacity: 300 GB, 450 GB, 600 GB
 - 3.5" SATA HDD capacity: 250 GB, 500 GB, 1TB, 2TB
- 3.5" Maximum capacity:
 - Up to 12 TB SATA (2 TB 3.5" x 6 HDDs)
 - Up to 3.6 TB SAS (600 GB 3.5" x 6 HDDs)

Storage Controllers

- Integrated AMD SP5100 Chipset Serial ATA host controller with RAID 0, 1, 10 support
- 8-port 6Gb/s SAS RAID card standard on all models

Expansion slots

- Two low profile PCI-E 2.0 x16 slots
- One low profile PCI-E 2.0 x8 slot
- One Acer Flex I/O x8 or PCI-E 2.0 x8 slot

Management

- Acer Smart Server Manager
- System ID LED buttons, System Health LED
- Acer Smart Console for server management and KVM over IP remote management

Deployment/Serviceability

- Acer Smart Setup
- BIOS Update Tool
- IPMI Firmware Update Tool

Operating Systems

- Windows Server® 2008
- Windows Server® 2008 R2
- Windows Server® 2003
- Red Hat® Enterprise Linux 5.4
- SUSE® Linux Enterprise Server 11
- VMware ESXi™ 4
- VMware ESX™ 4

Acer AR585 F1 Specifications

Input/output interface

Front

- Two USB ports
- One serial port
- One power button
- One system reset button
- LED indicators: power, HDD activity, LAN port 1 and 2, and power and temperature status

Rear

- PS2 keyboard port
- PS2 mouse port
- Two USB 2.0 ports
- Two RJ-45 ports (dual Gigabit NIC) with activity and link indicators
- RJ-45 port (dedicated for management NIC) with activity and link indicators
- Serial (DB-9) port
- SVGA (DB-15) port
- ID LED

Optical drive

- Slim-line SATA DVD/RW

Chassis/Form Factor

- 2U rack optimized

Power Supply

- 2 Power Supplies Standard
- Up to 2 x 1400 W 80 PLUS[®] Gold-level efficient hot-swap power supply units (1+1 redundant)

Regulatory Compliance Standards

EMC

- FCC (Class A)
- CE (Class A)
- BSMI (Class A)

Safety

- UL/cUL
- CB
- Nemko/GS

Technical Specifications

Dimensions (with bezel)	437 (W) x 709 (D) x 89 (H) mm (17.2 x 27.9 x 3.5 inches)	
Form factor	2U rack optimized	
Weight (approximate)	Maximum	25.9 kg (57 lbs)
	(All component slots and sockets fully populated)	
	Minimum	18.6 kg (41 lbs)
	(One HDD, power supply, and processor installed)	
BTU rating	Maximum	4778 BTU/hr
System inlet temperature	Operating	10° - 35°C (50° - 95°F) at sea level with an altitude derating of 1°C per 305 m (1.8°F per 1000 ft.) above sea level to a maximum of 3050 m (10,000 ft.) no direct sustained sunlight. Maximum rate of change is 10°C/hr (18°F/hr). The upper limit depends the type and number of options installed. System performance may be reduced if operating with a fan fault or above 30°C (86°F).
	Non-operating	-40° - 70°C (-40° - 158°F) Maximum rate of change is 20°C/hr (36°F/hr).
Relative humidity (non-condensing)	Operating	8 - 90 % relative humidity (Rh), 28°C (82.4°F) maximum wet bulb temperature, non-condensing
	Non-operating	5 - 95 % relative humidity (Rh), 38.7°C (101.7°F) maximum wet bulb temperature, non-condensing
Acoustic noise	Listed are the declared A-weighted sound power levels (LWAd) and declared average bystander position A-weighted sound pressure levels (LpAm) when the product is operating in a 21°C ambient environment. Noise emissions were measured in accordance with ISO 7779.	
	<u>Idle</u>	
	LWAd	6.7 BA
	LpAm	54.1 dBA
	<u>Operating</u>	
	LWAd	7.7 BA
LpAm	67.7 dBA	
Emissions classification (EMC)	FCC rating	Class A
	Normative standards	EN55022, EN 61000-3-2, EN 61000-3-3, CISPR 22 Class A
Power supply	Rated Steady –state power	1400 W
	Maximum Peak Power	1400 W
	BTU rating	4095 BTU/hr at 100~140V AC
		4778 BTU/hr at 180~240V AC

Standard Features

Processors

AMD Opteron™ processor (12-Core)

6176 (2.3GHz, L2-6MB, L3-12M, FSB 3200 MHz, 45nm 12 cores, G34 socket, D1)

6174 (2.2GHz, L2-6MB, L3-12M, FSB 3200 MHz, 45nm 12 cores, G34 socket, D1)

6168 (1.9GHz, L2-3MB, L3-12M, FSB 3200 MHz, 45nm 12 cores, G34 socket, D1)

Chipset

AMD SP5690+SP5970/SP5100

Memory³

Type DDR3 1066/1333 MHz Registered memory
DDR3 1066/1333 MHz Unbuffered ECC memory

DIMM sockets 32

Capacity Registered DIMM: 2 / 4 / 8 / 16 GB⁴
Unbuffered ECC DIMM: 2 / 4 GB

Maximum capacity Registered DIMM: 512 GB
Unbuffered DIMM: 128 GB

Memory protection

ECC, Online Sparing mode

Network controller

Integrated dual Intel® 82576EB Gigabit Ethernet Controller (dual ports)

³ Mixed use of registered memory and unbuffered ECC memory not supported.

⁴ 16 GB memory modules available by special request only.

Expansion slots

The primary I/O bus for the main board is PCIe® Gen2. The following table lists the characteristics of the PCIe bus segments. Details about each bus segment follow the table.

PCI express® Bus Segment Characteristics of PCI Express® Topology

Expansion Slot #	# of slots	Type	Bus Width ¹	Vol.	Con. Width	Location	Length
PCIe®	2	PCIe® Gen 2	x16	3.3V	x16	Onboard	Low profile
PCIe®	1	PCIe® Gen 2	x8	3.3V	x8	Onboard	Low profile
PCIe® or Acer Flex I/O	1	PCIe® Gen 2	x8	3.3V	x8	Onboard	Low profile

NOTE:

1. "Bus Width" refers to the number of physical electrical lanes running to a PCIe® connector.
2. Default bus assignment (in decimal). Inserting cards with PCI™ bridges may alter the actual bus assignment number.
3. Slots are enumerated differently based on the operating system. Microsoft® operating systems enumerate Device ID by bus starting from the lowest bus to the highest.

Storage controller AMD SP5100 SATA controller

Integrated Serial ATA controller	Simultaneous drive transfer channels	6 channels
	Transfer rate synchronous (maximum theoretical)	3 Gb/s per channel
	Data transfer method	Non-RAID mode RAID mode (Adaptec® RAID driver)
	Drive support	Serial ATA
	Data transfer modes	Legacy mode Combined mode
	Protocol	Serial ATA
	Feature	NCQ (Native Command Queuing) AHCI (Advanced Host Controller Interface)
	RAID levels supported	0, 1, 10
	RAID features	<ul style="list-style-type: none"> • Supports multiple logical volumes • Supports setup through ROM based array configuration utility installation scripting <p>NOTE: This controller requires the software RAID driver to support hot-plug functions.</p>
	RAID OS support	Windows Server® 2003 Windows Server® 2008 Windows Server® 2008 R2 Red Hat® Enterprise Linux 5.4 SuSE® Linux Enterprise Server 11 VMWare ESXi™ 4 VMWare ESX™ 4

Acer AR585 F1 Specifications

Embedded dual-port Gigabit server adapter (Intel® 82576EB) dual port total	Network interface	10Base-T 100Base-TX 1000Base-TX	
	Compatibility	IEEE 802.3 10Base-T IEEE 802.3ab 1000Base-T IEEE 802.3u 100Base-TX	
	Data transfer method	Four lane (x4), 100 MHz PCI Express reference clock	
	Network transfer rate	10Base-T (half-duplex)	10 Mb/s
		10Base-T (full-duplex)	20 Mb/s
		100Base-TX (half-duplex)	100 Mb/s
		100Base-TX (full-duplex)	200 Mb/s
		1000Base-TX (half- and full-duplex)	2000 Mb/s
	Connector	RJ-45	
	Cable support	CAT 5e wire	
Virtualization acceleration	Intel® I/O Acceleration Technology Virtual Machine Device Queues (VMDq) PCI-SIG® SR-IOV implementation		
Manageability	NC-SI SMBus, PXE, iSCSI boot		

Storage

Maximum internal storage	Hard disk drive	<ul style="list-style-type: none"> Up to 6 hot-pluggable 3.5" SATA/SAS HDD
	3.5" Maximum capacity	<ul style="list-style-type: none"> Up to 12 TB SATA Up to 3.6 TB SAS

Drive Support – Optical and Hard Disk Drive



Optical Drive support

Drive	Quantity Supported	Bay Supported	Required Controller
Slim-line SATA DVD/RW Optical Drive	1	A	Integrated USB header

Acer AR585 F1 Specifications

Hard Disk Drive Support

Drive	Quantity Supported	Bay Supported	Required Controller
3.5" SATA/SAS hard drives	Up to 6	0 - 5	8-port SAS RAID card for up to 6 SAS/SATA HDD's*
*included in all models			
NOTE: Transfer rates of drives are dependent on the maximum transfer rate supported by the host bus adapter (HBA) or controller.			

Tape Backup Drive Support

Drive	Bay Supported	Required Controller
LTO-3 1U SAS Rackmount (external) Tape Drive kit	External	SAS card
LTO-4 1U SAS Rackmount (external) Tape Drive kit	External	SAS card

Graphics

- BMC chip embedded
- 1280 x 1024
- 16 M colors
- 16 MB video memory

Industry standard compliance

- IPMI 2.0 Compliant (iBMC)
- SMBUS 2.0
- SMBIOS 2.6.1 compliant
- ACPI v3.0b Compliant
- PCI-E 1.1 for Gen 1 and PCI-E 2.0 for Gen 2
- PXE 2.1 support
- TPM cer1.2 compliance (through optional module)
- WOL support
- Microsoft® Windows® Hardware Logo Program Requirements

Security

- HDD carrier mechanical lock
- Power button lock
- Administrator / User password
- Set-up password
- Removable device boot control
- Serial Interface control
- TPM controller (TPM v1.2 Compliant) (manufacturing option)

System cooling

- Four CPU heat sinks supporting AMD® Opteron™ processors with TDP up to 115 Watts
- Redundant/hot pluggable system fans (w/PWM control)

- Operating systems and virtualization software support**
- Windows Server® 2008
 - Windows Server® 2008 R2
 - Windows Server® 2003 R2
 - Red Hat® Enterprise Linux 5.4
 - SUSE® Linux Enterprise Server 11 SP1
 - VMware ESXi 4
 - VMware ESX 4

Server Management Utilities and Applications

Comprehensive management solutions deliver powerful and intuitive management features to simplify server set ups, configuration, management, monitoring, and reporting for the entire lifecycle of servers. Centralized administration and automatic management with remote access control free the IT resources and meet the complex business environment. Proactive monitoring and notification lead higher customers' satisfaction and higher levels of operational efficiency.

- Smart Setup 2.0** Easy deployment via the latest version of Acer's Smart Setup. Smart Setup is available both in box as a driver packed installation DVD or a downloadable file to be put into a USB 2.0 device, and eases the deployment of Acer servers for any certified OS. Through its unique interface, users may select to have all the correct drivers be pre-deployed for the OS of their choosing, as well as setup hardware RAID devices, BMC settings (where available), and even clone the pre-settings to a bootable USB device to ease mass server deployments.
- Smart Console** Web-based management utility to simplify system management with embedded iBMC, system monitoring and alerting, event handling, remote power control and KVM-over-IP. Smart Console is OS independent and offers virtual media through floppy, ODD, and removable disk.
- Smart Server Manager v1.1** Offering 24-7 monitoring for system health and performance. Delivers proactive event management features including system event logging, event handling from e-mail and SNMP Trap (PET) alerting. Monitors onboard hardware, operating systems and virtual machines. Allows remote control from KVM and Power control. Satisfies management in web-based UI, role-based administration, and automated management scripts.
- Intelligent manageability**
- Automatic Server Recovery (ASR)
 - Integrated Management Log
 - Front and Rear Unit ID (UID) button/LED
 - BIOS Update tool for DOS supporting DOS and Windows OS
 - IPMI Firmware Update tool supporting DOS and Windows OS
 - Backplane firmware update tool, supporting DOS and Windows OS
- Environment-friendly products and approach** Acer offers end-of-life product return, trade-in, and recycling programs in many geographic areas. Products returned to will be recycled, recovered or disposed of in a responsible manner.

Memory Support Specification

Registered Type DDR3 1066/ 1333 MHz
 Capacity: 2, 4, 8, 16 GB
 Voltage: 1.5 V
 Maximum : 512 GB (16 GB x 32 DIMMs)

Unbuffered Type DDR3 1066/ 1333 MHz
 Capacity: 2, 4 GB
 Voltage: 1.5 V
 Maximum: 128 GB (4 GB x 32 DIMMs)

Memory protection ECC, Online Sparing Mode

Note: Mixing of registered memory and unbuffered ECC memory is not supported
 16 GB memory modules available by special request only

Memory Population

The systems have 32 DIMM slots. Each CPU controls eight DIMM slots. The DIMM slots support four channel DDR3-1333 registered/unbuffered ECC memory modules. Each channel has two slots. The farthest slots per channel to CPU are DIMM1A, DIMM3A, DIMM2A, DIMM4A in blue color, while the nearest are DIMM1B, DIMM3B, DIMM2B, DIMM4B in black color. For all memory modes, the farthest slot in each channel needs to be populated first. If the farthest slot is empty, the nearest slot can't be used.

- Each CPU has 4 memory channels.
- Each channel has 2 slots.

To maximize the memory performance, the DIMM modules should be installed as balanced as possible among processors and memory channels. And slots with the same slot number across memory channels should be populated the identical DIMM.

Dual processor configuration

Total Memory	CPU1								CPU2							
	DIMM 4B	DIMM 4A	DIMM 3B	DIMM 3A	DIMM 2B	DIMM 2A	DIMM 1B	DIMM 1A	DIMM 4B	DIMM 4A	DIMM 3B	DIMM 3A	DIMM 2B	DIMM 2A	DIMM 1B	DIMM 1A
8G				2G				2G				2G				2G
16G		2G		2G		2G		2G		2G		2G		2G		2G
32G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G
16G				4G				4G				4G				4G
32G		4G		4G		4G		4G		4G		4G		4G		4G
64G	4G	4G	4G	4G	4G	4G	4G	4G	4G	4G	4G	4G	4G	4G	4G	4G
32G ^{1,2}				8G				8G				8G				8G
64G ^{1,2}		8G		8G		8G		8G		8G		8G		8G		8G
128G ^{1,2}	8G	8G	8G	8G	8G	8G	8G	8G	8G	8G	8G	8G	8G	8G	8G	8G
64G ^{1,2}				16G				16G				16G				16G
128G ^{1,2}		16G		16G		16G		16G		16G		16G		16G		16G
256G ^{1,2}	16G	16G	16G	16G	16G	16G	16G	16G	16G	16G	16G	16G	16G	16G	16G	16G

¹ Only supported for RDIMM (registered memory).

² 16 GB memory modules available by special request only.

Four processor configuration

Total Memory	CPU1								CPU2								CPU3								CPU4							
	4 B	4 A	3 B	3 A	2 B	2 A	1 B	1 A	4 B	4 A	3 B	3 A	2 B	2 A	1 B	1 A	4 B	4 A	3 B	3 A	2 B	2 A	1 B	1 A	4 B	4 A	3 B	3 A	2 B	2 A	1 B	1 A
16 GB				2			2					2			2					2				2					2			
32 GB		2		2		2	2			2		2		2		2		2		2		2		2		2		2		2		
64 GB	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
32 GB				4			4					4			4					4				4					4			
64 GB		4		4		4	4			4		4		4		4		4		4		4		4		4		4		4		
128 GB	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
64 GB ¹				8			8					8			8					8				8					8			
128 GB ¹		8		8		8	8			8		8		8		8		8		8		8		8		8		8		8		
256 GB ¹	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
128 GB ¹²				16			16					16			16					16				16					16			
256 GB ¹²		16		16		16	16			16		16		16		16		16		16		16		16		16		16		16		
512 GB ¹²	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		

¹ Only supported for RDIMM (registered memory).

² 16 GB memory modules available by special request only.

On-Line Spare

On-line spare is a RAS mechanism that allows the system to reserve one rank of one logical DIMM to be used as a spare rank. The spare rank must be greater than or equal to the size of all other ranks in the system. The system can switch to the spare rank when system software determines that one of the ranks in the system is no longer functioning properly and needs to be replaced.

Memory Identification

Generally, there is memory information printed on the label of DIMM, but different vendors may have different formats. For example:

4GB 2Rx4 PC3-10600R xx xx xxx

1. Density

- 2GB, 4GB, 8GB, 16GB
- AMD Opteron™ 6000 series processors support DIMMs organized by 1Gb, 2Gb or 4Gb DRAM chips

2. Rank

- 1R = Single Rank
- 2R = Dual Rank
- 4R = Quad Rank

3. Bit Organization

- This platform supports x4 and x8
- Note: It is not recommended to mix DIMMs with different bit organizations in one system

4. Speed

- PC3 – 6400 => DDR3- 800
- PC3 – 8500 => DDR3- 1066
- PC3 – 10600 => DDR3- 1333

Power Supply Specification

1400W Power Supply							
Operational Input Voltage Range (Vrms)	1200W: 100-140 VAC 1400W: 180 – 240 VAC						
Frequency Range (Nominal) (Hz)	50 / 60						
Nominal Input Voltage (Vrms)	100	120	208	200	220	230	240
Max. Rated Output Wattage	1237.3	1237.4	1403.4	1403.4	1403.2	1403.0	1403.7
Nominal Input Current (Arms)	14.21	11.95	7.92	7.62	7.13	6.83	6.55
Max. Rated Input Wattage Rating (Watts)	1416.74	1428.26	1577.66	1578.62	1560.76	1559.90	1561.00
Max. Rated VA (Volt-Amp)	1421.0	1434.0	1584.0	1585.0	1568.6	1570.9	1572.0
Efficiency (%) at Max. Rated Output Wattage	87.33%	86.64%	88.95%	88.90%	89.91%	89.94%	89.92%
Power Factor	0.997	0.996	0.996	0.996	0.995	0.993	0.993
Leakage Current (mA)	1.1	1.2	1.1	1.1	1.2	1.2	1.2
Max. Inrush Current (A peak)	16.74	15.98	16.05	16.11	15.70	15.89	16.20
Max. Inrush Current Duration (mS)	4.61	4.60	4.63	4.63	4.65	4.72	4.75
Max. British Thermal Unit Rating (BTU/hr)	4222.90	4223.24	4789.80	4789.80	4789.12	4788.439	4790.82

Hardware Key Options

- CPU**
 - AMD Opteron™ 6000 series
- HDD**
 - SAS 3.5": 300 GB, 450 GB, 600 GB
 - SATA 3.5": 250 GB, 500 GB, 1TB, 2 TB
- Memory**
 - DDR3 1333 MHz Unbuffered ECC 2/ 4 GB memory
 - DDR3 1333 MHz Registered ECC 2/ 4/ 8/ 16GB memory
- SAS HBA**
 - SAS HBA, internal 2-ports/external 2-ports, PCI-E x1 interface
- SAS RAID**
 - MegaRAID® SAS 9240-4i, 4 internal ports, PCIe x8, supporting RAID 0/1/10/5
 - MegaRAID® SAS 9260-8i, 8 internal ports, 512 MB PCIe x8, supporting RAID 0/1/10/5/50/6/60
 - LSI® BBU07/ Battery Backup Unit for MegaRAID® SAS 9260-8i
- Networking**
 - Gigabit CT Desktop Adapter, Gigabit Adapter 10/100/1000 Mbps
 - Gigabit ET Server Adapter, Gigabit 10/100/1000 Mbps, PCIe, dual-port
 - Gigabit ET2 Server Adapter, Gigabit Adapter 10/100/1000 Mbps, PCIe, quad-port
 - Ethernet Server Adapter X520-DA2, 10 Gb, Dual ports, direct attach
 - Ethernet Server Adapter X520-LR1, single port, LR
 - Ethernet Server Adapter X520-SR1, single port, SR
 - Ethernet Server Adapter X520-SR2, dual ports, SR
- Fiber Channel HBA**
 - Qlogic SANblade® QLE2460 single port fibre channel to PCI express host bus adapter, 1 ch, 8 Gb FC HBA, PCIe x8, single LC port (std & low-profile bracket)
 - Qlogic SANblade® QLE2462 dual ports fibre channel to PCI express host bus adapter, 2ch, 8 Gb FC HBA, PCIe x8, dual LC port (std & low-profile bracket)

Server Additional Options/Accessories

- TPM**
 - TPM module (TPM 1.2)
- Flash Memory**
 - USB low-profile flash memory for VMWare embedded
- Optical Drive**
 - Slim-line (12.7 mm tray) DVD/RW
- Tape & Disk based backup**
 - LTO-3 1U SAS Rackmount (external) Tape Drive kit
 - LTO-4 1U SAS Rackmount (external) Tape Drive kit
- Rackmount kits**
 - Sliding rails (Cable Management Arm option available)

Service and Support

Acer Servers offer a comprehensive service suite to take care of daily IT needs. Users can select the 3-year standard warranty or choose extended warranties and services⁵.

The standard warranty for the AR585 F1 includes three years Parts coverage with all three years including Labor and On-Site coverage.

Warranty repairs may be accomplished through the use of Customer Replacement Unit (CRU) parts. CRU parts include: Hot Plug Hard Drives and Hot Plug Power Supplies. These parts are designed for easy replacement without tools. Travel and labor charges may apply if customers decline to replace a CRU part.

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.

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⁵ Extension warranty services may vary by country. Please contact Acer authorized resellers for more information.

Acer AR585 F1 Specifications

Acer Standard Server Models	Part Number
Acer AR585 LFF Models	
Acer AR585F1 2x Opteron 6168 , 4x4GB DDR3 Reg, no HDD, 6x3,5"HDD bay, 8 Port 6G SAS RAID controller with 512MB Cache, DVD-RW, 2x1400W 80+ Gold PSU , 2x GBit LAN onboard, Acer Smart Setup, Acer Smart Manager, UPS Power Cable, no Mouse, no KB, rail kit	TK.R7100.003
Acer AR585F1 2x Opteron 6174 , 4x4GB DDR3 Reg, no HDD, 6x3,5"HDD bay, 8 Port 6G SAS RAID controller with 512MB Cache, DVD-RW, 2x1400W 80+ Gold PSU , 2x GBit LAN onboard, Acer Smart Setup, Acer Smart Manager, UPS Power Cable, no Mouse, no KB, rail kit	TK.R7100.004
Acer AR585F1 2x Opteron 6174 , 8x4GB DDR3 Reg, no HDD, 6x3,5"HDD bay, 8 Port 6G SAS RAID controller with 512MB Cache, DVD-RW, 2x1400W 80+ Gold PSU , 2x GBit LAN onboard, Acer Smart Setup, Acer Smart Manager, UPS Power Cable, no Mouse, no KB, rail kit	TK.R7100.005
Acer Key Options	
Acer CPU Heatsink	
Note: one heatsink required for each processor option kit	
Acer AMD G34 2U Passive Heat-sink Kit	TC.34900.012
Acer Processor upgrade kits	
Note: one heatsink required for each processor option kit	
Note: all processors in a system must match	
Acer AMD Opteron™6168(D1)Kit	TC.32500.030
Acer AMD Opteron™6174(D1)Kit	TC.32500.032
Acer Memory	
Note: cannot mix Unbuffered memory with Registered memory	
Note: please refer to "Memory Support" Section for details on configuring memory	
Acer Unbuffered Memory	
Acer 2GB DDR3-1333 Unbuffered Memory Kit (1 pc.)	TC.33100.035
Acer 4GB DDR3-1333 Unbuffered Memory Kit (1 pc.)	TC.33100.037
Acer Registered Memory	
Acer 2GB DDR3-1333 Registered Memory Kit (1 pc.)	TC.33100.029
Acer 4GB DDR3-1333 Registered Memory Kit (1 pc.)	TC.33100.031
Acer 8GB DDR3-1333 Registered Memory Kit (1 pc.)	TC.33100.042
Acer Storage	
Acer SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives	
Acer 250GB 3Gb/s 7.2K 3.5-inch Enterprise SATA HDD Kit	TC.32700.068
Acer 500GB 3Gb/s 7.2K 3.5-inch Enterprise SATA HDD Kit	TC.32700.066
Acer 1TB 3Gb/s 7.2K 3.5-inch Enterprise SATA HDD Kit	TC.32700.064
Acer 2TB 3Gb/s 7.2K 3.5-inch Enterprise SATA HDD Kit	TC.32700.062
Acer SAS Hot Plug LFF (3.5-inch) Enterprise Drives	
Acer 500GB 6Gb/s 7.2K 3.5-inch Enterprise SAS HDD Kit	TC.32700.108
Acer 1TB 6Gb/s 7.2K 3.5-inch Enterprise SAS HDD Kit	TC.32700.107
Acer 2TB 6Gb/s 7.2K 3.5-inch Enterprise SAS HDD Kit	TC.32700.106
Acer 300GB 6Gb/s 15K 3.5-inch Enterprise SAS HDD Kit	TC.32700.079
Acer 450GB 6Gb/s 15K 3.5-inch Enterprise SAS HDD Kit	TC.32700.077
Acer 600GB 6Gb/s 15K 3.5-inch Enterprise SAS HDD Kit	TC.32700.075
Acer SAS Storage Controllers	
Acer Battery Backup Kit for Cache module in 8port/16port SAS RAID Card	TC.34800.006
Acer Fibre Channel Storage Controllers	
Acer 8Gb/s Single Port Fibre Channel HBA Kit	TC.32300.024
Acer 8Gb/s Dual Port Fibre Channel HBA Kit	TC.32300.026
Acer Tape Drives	
Acer LTO-3/LTO-4 1U Rackmount (ext.) Chassis Kit	TC.34000.040
Acer LTO-3 HH (int.) Tape Drive Kit - Compatible with Acer Servers which support Internal LTO drives	TC.34000.022

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(or) 1U external Rackmount chassis kit	
Acer LTO-4 HH (int.) Tape Drive Kit -Compatible with Acer Servers which support internal LTO drives (or) 1U external Rackmount chassis kit	TC.34000.024

<u>Acer Additional Upgrades</u>	
Acer Cable Management Arm (2U/4U) Kit (1000mm Rack required)	TC.33700.021
Acer Gigabit Single Port LAN Adapter Kit	TC.32200.011
Acer Gigabit Dual Port Server LAN Adapter Kit	TC.32200.009
Acer Gigabit Quad Port Server LAN Adapter Kit	TC.32200.010
Acer 10 Gigabit Dual Port (DA) Server LAN Adapter Kit	TC.32200.012
Acer 10 Gigabit Single Port (SR) Server LAN Adapter Kit	TC.32200.014
Acer 10 Gigabit Single Port (LR) Server LAN Adapter Kit	TC.32200.013
Acer 10 Gigabit Dual Port (SR) Server LAN Adapter Kit	TC.32200.015
Acer Gigabit Dual Port Server LAN Adapter Kit - Intel based	TC.32200.022
Acer Gigabit Quad Port Server LAN Adapter Kit - Intel based	TC.32200.023
Acer 10 Gigabit Dual Port (DA) Server LAN Adapter Kit - Intel based	TC.32200.024
<u>Acer Operating Systems</u>	
<u>Windows Server Enterprise 2008</u>	
Acer ROK Windows SVR 2008 R2 Enterprise (64bit,25Clt,EN)	TC.34400.035
Acer ROK MICROSOFT Win SVR 2008 64bit Ent R2 10 Clt EN W/COA W/CD/DVD ACER 1-8CPU	TC.34400.034
<u>Windows Server Standard 2008</u>	
Acer ROK MICROSOFT Win SVR 2008 64bit Std R2 5 Clt EN W/COA W/CD/DVD ACER 1-4CPU	TC.34400.033
<u>Microsoft CAL's</u>	
Acer Windows Server 2008 CAL EN (5 Device)	TC.34400.061
Acer Windows Server 2008 CAL EN (5 User)	TC.34400.063
<u>Acer Services</u>	
Acer Upgrade from 3 year Parts/3 years Labor/3 years On-Site to 3 years Parts/Labor/On-site service w/4hr response (AR585)	146.AD316.001
Acer Upgrade from 3 year Parts/3 years Labor/3 years On-Site to 5 years Parts/Labor/On-site service w/4hr response (AR585)	146.AD317.001