

A+ Server 1010P-8R / 1010P-8RB

A+ Products Systems 1U [1010P-8R / 1010P-8RB]



Integrated Board

Super H8SSP-8

Available Colors: Black Beige

Drivers & Utilities

BIOS

Tested Memory List

Manuals

Key Features

1. Single AMD® Opteron™ Support, (Dual Core Ready)
1000 MHz HyperTransport Link
2. Up to 8GB DDR 400 SDRAM (or)
Up to 16GB DDR 333 SDRAM (or)
Up to 16GB DDR 266 SDRAM
3. 1 x PCIExpress (x8) OR
64-bit 133MHz PGX Slot
4. 1 x PCIExpress (x8) OR
64-bit 100MHz Low-Profile PCIX Slot
5. Dual-port Gigabit ServerWorks HT2000
LAN/Ethernet Controller
6. Zero Channel RAID Support
7. 4 x 3.5" Ultra320 SCSI Hotswap
Drive Bays
8. External SCSI Port
9. 400W Hotswap Redundant Power
Supply

Specifications

Product SKUs	
AS-1010P-8R	▪ A+ Server 1010P-8R (Beige)
AS-1010P-8RB	▪ A+ Server 1010P-8RB (Black)

Motherboard

Processor/Chipset	
CPU	▪ Single 940-pin ZIF Sockets ▪ Supports a single Dual-Core AMD Opteron™ 200 Series processor(s) ▪ 1MB Cache ▪ VRM x3
Chipset	▪ ServerWorks HT2000 ▪ ServerWorks HT1000

System Memory	
Memory Capacity	- Four 184-pin DIMM sockets - Supports up to 8 GB DDR 400 MHz memory or - Supports up to 16 GB DDR 333 MHz memory or - Supports up to 16 GB DDR 266 MHz memory - Single or Dual (recommended) channel memory support
Memory Type	DDR 400/333/266MHz buffered (registered) ECC SDRAM 72bit, 184-pin gold-plated DIMMs
DIMM Sizes	256 MB, 512 MB, 1GB, 2GB, 4GB**
Memory Voltage	2.5 V only
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)

On-Board Devices	
SCSI	- Adaptec AIC-7902W Controller - Dual-Channel Ultra320 SCSI with Host RAID - Host RAID 0, 1, 10, JBOD
Zero Channel RAID	- Support for Zero-Channel RAID with: - Low Profile, Supermicro All-In-One ZCR Card (AOC-LPZCR1) (Card not included)
IPMI	- Intelligent Platform Management Interface v.2.0+ (Optional: 1UIPMI-B) 1U Support (Optional: 1UIPMI-B + 1UIPMI-LANG) for 3rd LAN port support with IPMI - RMM (Remote Management Module) (Card not included)
Network Controllers	- ServerWorks® HT2000 Dual Gigabit Ethernet Controller - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
VGA	- ATI Rage XL 8MB PCI Graphics Controller - VGA Port
Super I/O	NS PC87427
Clock Generator	ICS932S801AG

Expansion Slots	
Left Universal Slot	▪ 1 (x8) PCIe slot (Optional with Riser Card) OR ▪ 1x 64-bit PCI-X 133MHz slot ▪ Accommodates Full-height (maximum 11" length) add-on cards
Right Universal Slot	▪ 1 (x8) PCIe slot (Optional with Riser Card) OR ▪ 1x 64-bit PCI-X 100MHz slot ▪ Low -profile slot
IPMI	▪ IPMI 2.0 expansion slot

Input / Output	
SCSI	2-Channel Ultra320 SCSI - AIC7902 SCSI Controller - SCSI ZCR Support
Floppy	1 Floppy port; 1.44 MB
LAN	2 RJ45 LAN port
USB	- FUCI 2 USB Rear Ports 2 USB Internal Headers - USB 2.0 Compliant, 1.1 Compatible
Keyboard / Mouse	PS/2 keyboard and mouse ports
Serial Ports	1 Fast UART 16550 serial ports 1 Header

Chassis	
Form Factor	▪ 1U Rackmount
Model	▪ SC816S-R400

Dimensions	
Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 27" (686mm)
Gross Weight	▪ 46 lbs (20.9kg)
Available Colors	▪ Beige, Black

Front Panel	
Buttons	▪ Power On/Off button ▪ UID button
LEDs	▪ Power / Power Fail LED ▪ Hard drive activity LED ▪ 2x Network activity LEDs ▪ System Overheat / Fan Fail LED ▪ UID LED
Ports	▪ none

Drive Bays	
Hot-swap	4 x 3.5" Hot-swap Ultra320 SCSI drive bays

Peripheral Drives	
Floppy	▪ Slim Floppy Drive
DVD-ROM	▪ 8x DVD-ROM Drive

SCSI Backplane

System Cooling	
Fans	3x 15000 RPM Dual Blade Fans

Power Supply	
400W AC power supply with PFC	
AC Voltage	▪ 100 - 240V, 50-60Hz, 6A-3A Amp
+5V	▪ 24 Amp
+5V standby	▪ 4 Amp
+12V	▪ 32 Amp
-12V	▪ 0.6 Amp
+3.3V	▪ 21 Amp

PC Health Monitoring	
CPU	▪ Monitors CPU Core Voltages, +5V, ±12V & +2.5V Standby, +2.5V Standby, VBAT. ▪ Monitor for HyperTransport voltage 1.2V, memory voltage 2.5V, DDR termination 1.25V ▪ Up to 10 fan status ▪ Supports System Management Utility
FAN	▪ Total of up to 5 proprietary fan headers ▪ 10 Tachometer monitoring ▪ Status monitor for speed control ▪ Status monitor for on/off control ▪ Low-noise Fan Speed Control
Temperature	▪ Monitoring for CPU and chassis environment ▪ CPU Thermal Trip support ▪ PC temperature sensing logic
LED	▪ CPU / Overheat LED ▪ Suspend-state indicator LED ▪ +5V Standby alert LED
Other Features	▪ Chassis Intrusion Detection ▪ Chassis Intrusion Header

System BIOS	
BIOS Type	8Mb Flash EEPROM with AMI BIOS - SST49LF080A BIOS Chip
BIOS Features	- Plug and Play (PnP) - ACPI 2.0 - PCI 2.2 - DMI 2.3 - BIOS Rescue Hot Keys - SMBIOS 2.3 - USB Keyboard support

Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-H8SSP8	1	Super H8SSP8 Motherboard
	CSE816S-R400(B)	1	1U SC816SR400 Chassis (B = Black)
Cable(s)	CBL-0063L	1	20" U320 SCSI Cable
	CBL-0087	1	20" 16-pin to 16-pin Ribbon Cable
	CBL-0134L	1	35cm IDE DVDROM Cable
Fan(s)	FAN-0085	3	15,000 RPM Nidec Dual Blade Fan
	CSEPT0100	2	Dummy Fans 40x56mm
Hard Drives	CSEPT39(B)	4	3.5" SCA Hard Drive Trays
	CSESCA-814S	1	SCA814 1U 4 x 3.5" SCSI Backplane w/ SAFTE
Heatsink Components	BKT-0004	1	Mounting Plate for Heatsink
	BKT-0005	1	Retention for Heatsink
Mounting Rails	CSEPT51	1	1U Mounting Rail Kit
Peripheral Drives	FPDTEAGS (B)	1	TEAC 3.5" 1.44MB Slim Floppy Drive (B = Black)
	DVM-PNSG824(B)	1	Slim 8x DVD / 24x CDROM Combo Drive (B = Black)
Power Backplane	CSEPT816PDS20	1	1U Power Distributor Backplane
Power Supply	PWS0064	2	SP400-1R 400W 1U power supply
Riser Card	CSERR1UX	1	1U 3.3V PCIX Riser Card- Left Slot Fullheight/length (installed)
	CSERR1UXR	1	1U 3.3V PCIX Riser Card- Right Side Fullheight/length (installed)
	CSERR1UEL	1	1U PCIE Riser Card- Left Side Fullheight/length (uninstalled)
	CSERR1UER	1	1U PCIE Riser Card- Right Side Fullheight/length (uninstalled)

Optional Parts List			
	Part Number	Qty	Description
Heatsink / Retention	SNK-P0012	-	Please refer to our Thermal Components Matrix
IPMI	AOC-1UIPMB	-	1U IPMI 2.0 Riser Card
	AOC-1UIPMLANG	-	Supermicro IPMI Gigabit LAN Card (for 3rd LAN)

**4GB memory modules not fully tested due to limited availability