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Find the *Supermicro 6014P-82* at our website: ***Click HERE***

SuperServer 6014P-82 / 6014P-82B



Integrated Board



Super X6DHP-8G2

Key Features

1. Dual Intel® 64-bit Xeon® Support up to 3.60 GHz
2. Up to 16GB DDR2 400MHz SDRAM
3. 1 (x8) PCI-Express Expansion Slot OR 1 x 64-bit 133MHz Full-height / length PCI-X Slot
4. 1 (x8) PCI-Express Expansion Slot OR 1 x 64-bit 100MHz Full-height / length PCI-X Slot
5. 2 x Intel® 82546GB Gigabit Ethernet Ports
6. Zero Channel RAID Support
7. 4 x 3.5" Ultra320 SCSI Hot-swap Drive Bays
8. 560W Cold-swap Power Supply with I^2C for Remote Management

Available Colors: Black Beige

▸ Drivers & Utilities ▸ BIOS ▸ Tested Memory List ▸ Manuals

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs	
SYS-6014P-82	SuperServer 6014P-82 (Beige)
SYS-6014P-82B	SuperServer 6014P-82B (Black)

Chassis	
Form Factor	1U Rackmount
Model	SC814S+-560

Motherboard

Dimensions

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Super X6DHP-8G2

Processor/Cache

CPU	▪ Dual 604-pin FC-mPGA4 Sockets ▪ Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below: ▪ Xeon (Nocona) CPU with 1MB L2 Integrated Advanced Transfer Cache, up to 3.60 GHz ▪ Xeon (Irwindale) CPU with 2MB L2 Integrated Advanced Transfer Cache, up to 3.80 GHz ▪ Xeon LV (Low Voltage) CPU, up to 2.8 GHz
System Bus	▪ 800 MHz system bus
Operating System Software	▪ Supports 64-bit Operating Systems ▪ Supports 32-bit Operating Systems ▪ OS Compatibility Chart

System Memory

Memory Capacity	▪ Eight 240-pin DIMM sockets ▪ Supports up to 16 GB DDR2 400MHz memory ▪ Dual-channel memory bus ▪ Memory must be populated in pairs ▪ Single-rank modules are recommended for 6+ DIMM support
Memory Type	▪ DDR2 400MHz buffered (registered) ECC SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 512 MB, 1GB, 2GB
Memory Voltage	▪ 1.8V only
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory) ▪ Supports Single Device Data Correction (SDDC)

On-Board Devices

Chipset	▪ Intel® E7520 chipset ▪ MCH + ICH5R + PXH +82546GB
SCSI	▪ Adaptec AIC-7902 Controller ▪ Dual-Channel Ultra320 SCSI ▪ Host RAID 0, 1, 10, JBOD support
Zero Channel RAID	▪ Support for Zero-Channel RAID ▪ Optional Card Not Included

Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 26.8" (681mm)
Gross Weight	▪ 43 lbs (19.5kg)
Available Colors	▪ Beige, Black

Front Panel

Buttons	▪ Power On/Off button ▪ UID button
LEDs	▪ Power LED ▪ Hard drive activity LED ▪ 2x Network activity LEDs ▪ System Overheat / Fan Fail LED ▪ UID LED
Ports	▪ N/A

Drive Bays

Hot-swap	▪ 4x 3.5" Hot-swap Ultra320/160 SCSI drive bays

Peripheral Drives

Floppy	▪ TEAC 3.5" 1.44MB Slim Floppy Drive
DVD-ROM	▪ Panasonic Slim 8x DVD-ROM drive

SCSI Backplane

1x SCA814S 1U SCSI Backplane w/ SAF-TE

System Cooling

Fans	▪ 5x 4cm 12,000 RPM Nidec dual blade fans

Power Supply

560W Cold-swap AC power supply w/ PFC
[24-pin, (8-pin=12V)]

AC Voltage	▪ 100 - 240V, 60-50Hz, 10-5 Amp
DC Output	▪ 5V + 3.3V ≤ 160W
+5V	▪ 30.0 Amp
+5V standby	▪ 4.0 Amp
+12V	▪ 42.0Amp
-12V	▪ 1.0 Amp
+3.3V	▪ 21.0 Amp

PC Health Monitoring

IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 (Optional [1U: AOC-1UIPMI-B])
Network Controllers	▪ Intel® 82546GB Dual Port Gigabit Controller ▪ Supports RJ45 output
Graphics	▪ ATI Rage XL SVGA PCI video controller with 8 MB of video memory
Super I/O	▪ National 87427 chip

Expansion Slots

PCI-Express / PCI-X	▪ 1 x Universal (SXB-E) slot for [1 (x8) PCI-E Slot] OR [1x 64-bit PCI-X 133MHz slot] ▪ 1 x Universal (SXB-E) slot for [1 (x8) PCI-E Slot] OR [1x 64-bit PCI-X 100MHz slot] ▪ Supports Full-length add-on cards

Input / Output

SCSI	▪ External High Density SCSI Port
IDE	▪ Dual EIDE channels support up to four UDMA/ IDE devices ▪ Supports UDMA Mode 5, PIO Mode 4, and ATA/100
Floppy	▪ 1 Floppy controller; 1.44 MB
LAN	▪ 2x RJ45 LAN port
USB	▪ 2x USB rear ports ▪ 2x USB internal headers ▪ USB 2.0 / 1.1 Compliant
VGA	▪ 1x VGA port
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Ports	▪ 2 Fast UART 16550 serial ports

CPU	▪ Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby & VBAT ▪ CPU Core 4-Phase-switching voltage regulator with auto-sense
FAN	▪ Total of five proprietary fan connectors supporting 10 fans ▪ 10x fans with Tachometer status monitoring ▪ Status monitor for speed control
Temperature	▪ Monitoring for CPU, chassis environment ▪ CPU thermal trip support ▪ Thermal control for 10x fan connectors ▪ Thermal Monitor 2 (TM2) support
LED	▪ CPU / System Overheat LED
Other Features	▪ Chassis intrusion detection ▪ Chassis intrusion header ▪ SDDC support

System BIOS

BIOS Type	▪ 8Mb Flash EEPROM with Phoenix® BIOS
BIOS Features	▪ Plug and Play (PnP) ▪ SMBIOS 2.3 ▪ DMI 2.3 ▪ PCI 2.2 ▪ ACPI 1.0 ▪ USB Keyboard support ▪ Fan Speed Control

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X6DHP-8G2-B	1	Super X6DHP-8G2 Motherboard
	CSE-814S-R560(B)	1	1U SC814S-R560 Chassis (B = Black)
Cable(s)	CBL-0063	1	20" U320 SCSI Cable
Fan(s)	FAN-0079	5	12,000 RPM Nidec Dual Blade Fan

Hard Drives	CSE-PT39(B)	4	1" SCA Hard Drive Trays
	CSE-SCA-814S	1	SCA814 1U 4 x 3.5" SCSI Backplane w/ SAF-TE
Manual	MNL-0753	1	SS6014P-82 User's Manual
Mounting Rails	CSE-PT51	1	1U Mounting Rail Kit
Peripheral Drives	FPD-TEAC-S (B)	1	TEAC 3.5" 1.44MB Slim Floppy Drive (B = Black)
	DVM-PNSC-824(B)	1	Slim Panasonic 8x DVD-ROM Drive (B = Black)
Power Backplane	CSE-PT814-PD560	1	1U Power Distributor Backplane
Power Supply	PWS-0057	1	SP562-1R 560W 1U power supply
Riser Card	CSE-RR1U-XR	1	1U 1-Slot 64-bit 3.3V PCI-X - Right Side
	CSE-RR1U-ER	1	1U 1-Slot PCI-Express - Right Side
	CSE-RR1U-X	1	1U 1-Slot PCI 64-bit 3.3V PCI-X - Left Side
	CSE-RR1U-EL	1	1U 1-Slot PCI-Express - Left Side Full-height Full-length

Optional Parts List

	Part Number	Qty	Description
Heatsink / Retention	SNK-P0009	-	Please refer to our Thermal Components Matrix

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