

Supermicro H8SSL-i2



Key Features

1. Single AMD® Opteron™ 1000 Series (Socket AM2) Support, 800 MHz HyperTransport Link
2. ServerWorks HT1000 Chipset
3. Up to 8 GB DDR2 800/667/533 SDRAM
4. Dual-port Broadcom BCM5704C Gigabit LAN / Ethernet Controller
5. Up to 4 SATA drives via HT1000
6. 1 64-bit PCI-X 133MHz
2 32-bit PCI 33MHz
7. ATI ES1000 Graphics & VGA port
8. 1UIPMI 2.0 Support

- Best Single Opteron CPU Solution
- Most Cost Effective Dual Core Workstation
 - High-End A+ ServerBoard

Product SKUs

- | | |
|----------------|--|
| MBD-H8SSL-i2-O | • H8SSL-i2 (Standard Retail Pack) |
| MBD-H8SSL-i2-B | • H8SSL-i2 (Bulk Pack) |

Physical Stats

- | | |
|-------------|---|
| Form Factor | • ATX |
| Dimensions | • 12.0" x 8.0" (30.5cm x 20.3cm) |

Processor/Chipset

- | | |
|------------|--|
| CPU | <ul style="list-style-type: none"> • Single 940-pin ZIF Socket • Supports one Dual-Core AMD Opteron™ 1000 Series (Socket AM2) processor • 4 phase VRM |
| System Bus | • 800MHz HyperTransport |
| Chipset | • ServerWorks HT1000 |

System Memory

- | | |
|-----------------|---|
| Memory Capacity | <ul style="list-style-type: none"> • Four 240-pin DIMM sockets • Supports up to 8 GB DDR2 800/667/533 MHz memory • Single or Dual (recommended) channel memory |
| Memory Type | • DDR2 800/667/533MHz un-buffered ECC / non-ECC SDRAM 72-bit, 240- |

Chassis (Optimized for H8SSL-i2)

- | | |
|-------------------------|---|
| 1U | <ul style="list-style-type: none"> • CSE-811T-300 • CSE-512F-260 |
| Mid-Tower | <ul style="list-style-type: none"> • CSE-733TQ-645 • CSE-733T-645 • CSE-733i-645 • CSE-733T-450 • CSE-733i-450 |
| Important Chassis Notes | <ul style="list-style-type: none"> • To ensure system stability, a 300W (minimum) ATX power supply [4-pin (+12V) and 24-pin are required] |

Expansion Slots

- | | |
|-------|---------------------------------------|
| PCI-X | • 1 64-bit 133MHz PCI-X (3.3V) slot |
| PCI | • 2 PCI 32-bit, 33MHz expansion slots |

System BIOS

- | | |
|---------------|---|
| BIOS Type | <ul style="list-style-type: none"> • 4Mb Flash EEPROM with AMI® BIOS • SST-49LF004B BIOS Chip |
| BIOS Features | <ul style="list-style-type: none"> • Plug and Play (PnP) • DMI 2.3 • PCI 2.2 • ACPI 1.0 • BIOS Rescue Hot Keys • SMBIOS 2.3 • USB Keyboard support |

- pin gold-plated DIMMs
- DIMM Sizes
 - 256 MB, 512 MB, 1GB, 2GB
- Memory Voltage
 - 1.8 V only

On-Board Devices

- SATA
 - 4 SATA Ports using ServerWorks HT1000 controller
- IDE
 - Supports UDMA Mode 5
 - Supports PIO Mode 4
 - Supports ATA/100
- IPMI
 - 1U support: Intelligent Platform Management Interface v.2.0+ (Optional: 1UIPMI / LPIPMI)
 - Remote Management Module (Card not included)
- Network Controllers
 - Broadcom BCM5704C Dual Gigabit Ethernet Controller
 - Supports 1000BASE-T, RJ45 output
- VGA
 - ATI ES1000 Graphics Controller
- Super I/O
 - Winbond 83627HF

Input / Output

- SATA
 - Up to four SATA devices
- IDE
 - Single ATA 100 EIDE channels support up to two UDMA IDE devices
 - Supports UDMA Mode 5
 - Supports ATA/100
- Floppy
 - 1 Floppy port; 1.44 MB
- LAN
 - 2 RJ45 LAN ports
- USB
 - 2 USB Rear Ports
 - 4 USB Internal Headers
 - USB 2.0 Compliant, 1.1 Compatible
- VGA
 - 1 VGA port
- Keyboard / Mouse
 - PS/2 keyboard and mouse ports
- Serial Ports
 - 1 Fast UART 16550 serial ports
 - 1 Header

- Hardware BIOS Virus Protection


Management

- Software
 - Optional IPMI (Intelligent Platform Management Interface) 2.0
 - [Super Doctor III](#)
- Power Configurations
 - ACPI Power Management
 - Wake-On-Ring (WOR) header
 - Wake-On-LAN (WOL) header
 - Main Switch Override Mechanism
 - Power-on mode control for AC power loss recovery
 - Internal/External modem remote ring-on

PC Health Monitoring

- CPU
 - Monitors CPU Core Voltages, +5V, ±12V, 5.5V Standby, 2.5V Standby, VBAT
 - Monitor for HyperTransport voltage 1.2V, DDR termination 1.25V
 - CPU 4-phase Switching Voltage Regulator
- FAN
 - Total up to five 3-pin fan headers
 - 5 Fan Status Tachometer monitoring
 - Status Monitor for Speed Control
- Temperature
 - Monitoring for CPU and chassis environment
 - CPU Thermal Trip support
 - I²C temperature sensing logic
- LED
 - CPU / Overheat LED
 - Suspend-state indicator LED
 - +5V Standby Alert LED
- Other Features
 - Chassis Intrusion Header
 - Chassis Intrusion Detection
 - SDDC Support
 - Chipkill Support

Operating Environment / Compliance

- RoHS
 -  RoHS Compliant 5/6, Server Exemption
- Environmental Spec.
 - Operating Temperature: 10° to 35° C (50° to 95° F)
 - Non-operating Temperature: -40° to 70° C (-40° to 158° F)

- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5 to 95% (non-condensing)

Parts List

Retail Pack List

	Part Number	Qty	Description
H8SSL-i2	MBD-H8SSL-i2-O	1	H8SSL-i2 Motherboard
Manual(s)	MNL-H8SSL-i2	-	Motherboard Manual for H8SSL-i2 (In Electronic File)
Cables	CBL-010	1	I/O Cable
	CBL-022L	1	ATX Floppy Cable
	CBL-036L-02	1	ATA 100/133 IDE LP Cable
	CBL-044L	4	2ft. SATA Cable
Driver Disk	CDR-A+SWKS	1	Version 1.1 (or newer) Chipset Driver CD
I/O	CSE-PT7L	1	I/O Shield For Dual LAN
Retention	BKT-0017L	1	Retention Bracket
	BKT-0018L	1	Retention Bracket

Optional Parts List

	Part Number	Qty	Description
Heatsink	SNK-P0026	-	CPU Heatsink for 1U Systems
	SNK-P0027P	-	CPU Heatsink for 2U Systems