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H8SSL-i

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Key Features

1. Single AMD® Opteron™ Support, (Dual Core Ready)
800 MHz HyperTransport Link
2. ServerWorks HT1000 Chipset
3. Up to 4 GB DDR 400/333 SDRAM
4. Dual-port Broadcom BCM5704C Gigabit LAN / Ethernet Controller
5. Up to 4 SATA drives via HT1000
6. 1x 64-bit PCI-X 133MHz
2x 32-bit PCI 33MHz
7. ATI RageXL 8MB Graphics & VGA port
8. IPMI 2.0

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

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [Download the Latest Drivers and Utilities](#)

Specifications

Product SKUs

MBD-H8SSL-i-O	■ H8SSL-i (Standard Retail Pack)
MBD-H8SSL-i-B	■ H8SSL-i (Bulk Pack)

Physical Stats

Form Factor	■ ATX
Dimensions	■ 12.0" x 8.0" (30.5cm x 20.3cm)

Processor/Chipset

CPU	■ Single 939-pin ZIF Sockets ■ Supports one Dual-Core AMD Opteron™ 100 Series processor ■ 1MB Cache ■ 4 phase VRM
Chipset	■ HyperTransport Link ■ ServerWorks HT1000 I/O Hub

System Memory

Memory Capacity	■ Four 184-pin DIMM sockets support: ■ Up to 4 GB DDR 400/333 MHz memory ■ Single or Dual (recommended) channel memory support
Memory Type	■ DDR 400/333MHz un-buffered ECC/non-ECC SDRAM 72-bit, 184-pin gold-plated DIMMs
DIMM Sizes	■ 256 MB, 512 MB, 1GB
Memory Voltage	■ 2.5 V only
Error Detection	■ Corrects single-bit errors ■ Detects double-bit errors (using ECC memory)

On-Board Devices

SATA	■ 4 SATA Ports using ServerWorks HT1000 controller
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Chassis (Optimized for H8SSL-i)

1U Chassis	■ SC811T-300 ** ■ SC811F-260 ** (OEM only) ** Please use air-shroud CSE-PT0113 (Air-shrouds sold separately)
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Important Chassis Notes	■ To ensure system stability, a 300W (minimum) ATX power supply [4-pin (+12V) and 24-pin are required]
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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	■ 4Mb Flash EEPROM with AMI® BIOS ■ SST-49LF004B BIOS Chip
BIOS Features	■ Plug and Play (PnP) ■ ACPI 1.0 ■ PCI 2.2 ■ DMI 2.3 ■ BIOS Rescue Hot Keys ■ SMBIOS 2.3 ■ USB Legacy support ■ Hardware BIOS Virus Protection ■ RTC (Real Time Clock) Wakeup

Management

Software	■ Optional IPMI (Intelligent Platform Management Interface) 2.0 ■ Super Doctor III ■ Watch Dog / NMI
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Power Configurations

- ACPI/API Power Management
- Wake-On-Ring (WOR) header
- Wake-On-LAN (WOL) header
- Main Switch Override Mechanism
- Keyboard Wakeup from Soft-Off
- CPU Fan auto-off in sleep mode
- Power-on mode control for AC power loss recovery
- Internal/External modem remote ring-on

IDE	- Supports UDMA Mode 5 - Supports PIO Mode 4 - Supports ATA/100
IPMI	1U support: Intelligent Platform Management Interface v.2.0+ (Optional: 1UIPMI-B) or - For 2U and above: (Optional: AOC-LPIPMI-LANG) - Remote Management Module (Card not included)
Network Controllers	- Broadcom BCM5704C Dual Gigabit Ethernet Controller - Supports 1000BASE-T, RJ45 output
VGA	- ATI Rage XL 8MB PCI Graphics Controller - VGA Port
Super I/O	NS PC87427
Clock Generator	ICS932S801AG

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 2 USB Internal Headers - USB 2.0 Compliant, 1.1 Compatible
Keyboard / Mouse	PS/2 keyboard and mouse ports
Serial Ports	2 Fast UART 16550 serial ports 1 Header

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Parts List**Retail Pack List**

	Part Number	Qty	Description
H8SSL-i	MBD-H8SSL-i-O	1	H8SSL-i Motherboard
Manual(s)	MNL-H8SSL-i	-	Motherboard Manual for H8SSL-i
Cables	CBL-0010L	1	I/O Cable
	CBL-0022L	1	ATX Floppy Cable
	CBL-036L-03	1	ATA 100/133 IDE LP Cable
	CBL-0044L	4	2ft. SATA Cable
Driver Disk	CDR-A+SWKS	1	Version 1.03 (or newer) Chipset Driver CD
I/O	CSE-PT7L	1	I/O Shield For Dual LAN
Retention	BKT-0004L	1	CPU Heat Sink Back Plate
	BKT-0005L	1	CPU Heat Sink Back Plate

PC Health Monitoring

CPU	- Monitors CPU Core Voltages, +5V, ±12V, 2.5V Standby, 5V Standby, VBAT - Monitor for HyperTransport voltage 1.2V, DDR termination 1.25V - CPU switching voltage regulator - Supports System Management Utility
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
Other Features	Chassis Intrusion Header

OS Compatibility

• Please see our [OS Compatibility Chart](#)

Regulatory

FCC	Passed to meet FCC standard requirement
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