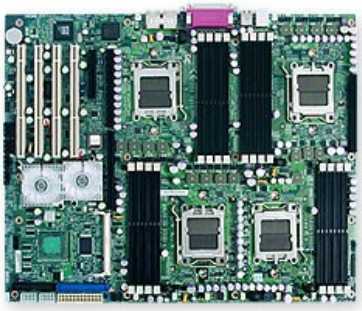
H8QME-2



Key Features

1. Four Six-Core / Quad-Core / Dual-Core AMD Opteron™ 8000 Series (Socket F) support; HT3.0 Link support ^
2. nVidia MCP55 Pro / AMD 8132 Chipsets
3. Up to 128GB DDR2-800/667/533 SDRAM
4. Intel 82546GB Dual-port Gigabit LAN/Ethernet Controller
5. 6 SATA2 3.0Gbps Ports
6. 1 (x16)*, 1 (x8) PCI-e,
   2 64-bit 133/100MHz PCI-X,
   2 64-bit 100MHz PCI-X,
   2 HyperTransport (HTX)
7. SIMSO IPMI 2.0 Support
8. 9 Fan Support with Speed Control

Links & Resources

- Tested Memory List
- Motherboard Manual
- Update Your BIOS
- Download the Latest Drivers and Utilities

RoHS 5/6 | AMD OPTERON

Specifications

Product SKUs - Discontinued SKU. Please contact sales-rep for possible OEM production quantities. MOQ may apply

MBD-H8QME-2-O	H8QME-2 (Standard Retail Pack)
MBD-H8QME-2-B	H8QME-2 (Bulk Pack)

Physical Stats

Form Factor	Proprietary
Dimensions	16" x 13" (40.6cm x 33.2cm)

Processor/Chipset

CPU	Quad 1207-pin Socket F Supports up to four **Six-Core / Quad-Core / Dual-Core AMD Opteron™ 8000 Series** processors HT3.0 Link support ^
Chipset	nVidia MCP55 Pro AMD 8132

System Memory

Memory Capacity	Sixteen 240-pin DIMM sockets Supports up to 128 GB DDR2 800/667/533 MHz memory Single or Dual (recommended) channel memory support For Quad CPUs: Recommended that memory be populated equally in adjacent memory banks
Memory Type	DDR2 800/667/533MHz buffered (registered) ECC SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	256MB, 512MB, 1GB, 2GB, 4GB, 8GB
Memory Voltage	1.8V only
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

SATA	nVidia MCP55 Pro SATA2 3.0Gbps Controller 6 SATA2 Ports nVidia RAID 2.0 SATA RAID 0, 1, 0+1, 5, JBOD Support
IPMI	Support for Intelligent Platform Management Interface v.2.0 200-pin IPMI slot (SIMSO) (**Optional: AOC-SIMSO R 3.00**) **NOTE:** KVM-over-LAN not supported - there is no DVO signal to the IPMI slot RMM (Remote Management Module) (Card not included) **For Dedicated LAN, cable CBL-0177L must be used (cable sold separately)**
Network Controllers	Intel® 82546GB Dual Port Gigabit Ethernet Controller Supports 10BASE-T, 100BASE-TX, and F-T, RJ45 output

Chassis (Optimized for H8QME-2)

Important Chassis Notes	To ensure system stability, a 1000W (minimum) ATX power supply [8-pin & 8-pin (+12V) and 24-pin are required]

Server(s) (with H8QME-2)

Model(s)	AS -4041M-T2R

Input / Output

SATA	6 SATA2 ports
IDE	Single EIDE channel support up to two UDMA IDE devices Supports UDMA Mode 5 Supports PIO Mode 4 Supports ATA 100/133
Floppy	1 Floppy port; 1.44 MB support
LAN	2 RJ45 LAN ports
USB	FUCI Up to B Ports 2.0 Compliant 2 Rear Ports 2 Internal Headers
Keyboard / Mouse	PS/2 keyboard and mouse ports
Serial Ports	1 Fast UART 16550 serial port 1 Header
Parallel Port	1 ECP / EPP parallel port
VGA	1 VGA port
Others	1 SATA DOM power connector

Management

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

PC Health Monitoring

CPU	Monitors CPU Core Voltages, +3.3V, +5V, +12V, 5V Standby, VBAT CPU switching voltage regulator
FAN	Total up to 9-fan status tachometer monitoring Up to nine 3-pin fan headers Status monitor for speed control Support 3-pin fans with fan-speed control Low noise fan speed control
Temperature	Monitoring for CPU and chassis environment CPU Thermal Trip Support PC Temperature Sensing Logic

Super I/O	▪ Winbond 83627HF
VGA	▪ ATI ES1000 Graphics Controller 16MB Graphics & VGA port

System BIOS

BIOS Type	▪ 8Mb Flash EEPROM with AMI® BIOS ▪ SST 49LF080A BIOS Chip
BIOS Features	▪ Plug and Play (PnP) ▪ DMI 2.3 ▪ PCI 2.2 ▪ ACPI 2.0 ▪ USB Keyboard Support ▪ SMBIOS 2.3

Expansion Slots

PCI-Express	▪ 1 x16 PCI-e Slot* ▪ 1 x8 PCI-e Slot
PCI-X	▪ 2 64-bit 133/100MHz PCI-X (3.3V) slots ▪ 2 64-bit 100MHz PCI-X (3.3V) slot
HyperTransport	▪ 2 HyperTransport (HTX) Connectors

LED	▪ CPU / System Overheat LED ▪ Suspend-State Indicator LED ▪ +5V Standby Alert LED
Other Features	▪ Chassis Intrusion Detection ▪ Chassis Intrusion Header

Operating Environment / Compliance

RoHS	▪ RoHS Compliant 5/6, Server Exemption
Environmental Specifications	▪ Operating Temperature: 10°C to 35°C (50°F to 95°F) ▪ Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) ▪ Operating Relative Humidity: 8% to 90% (non-condensing) ▪ Non-operating Relative Humidity: 5% to 95% (non-condensing)

OS Compatibility

• Please see our **OS Compatibility Chart**

Regulatory

FCC	▪ Passed to meet FCC standard requirement

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
H8QME-2	MBD-H8QME-2 -O	1	H8QME-2 Motherboard
Retention	BKT-0012L	4	RETENTION MODULE FOR AMD CPU SOCKET F,ROHS
I/O Cable 1	CBL-0044L	6	57.5CM SATA FLAT S-S PBF
I/O Cable 2	CBL-010L	1	9 PIN SERIAL PORT DTK CABLE, LF
I/O Cable 3	CBL-022L	1	ATX FLOPPY CABLE 3 HEADERS PB FREE
I/O Cable 4	CBL-036L-03	1	18" ATA 133/100/66 3-DROP TPE CABLE, PBF
I/O Shield	CSE-PT7L	1	I/O SHIELD FOR DUAL LAN MOTHERBOARD, PB FREE

* Cannot populated with PCI-E x16 VGA cards
^ HT Link speed supporting depends on AMD Opteron processor spec.

Terms & Conditions | Privacy | Jobs

Copyright © 2017 Super Micro Computer, Inc.

Information in this document is subject to change without notice.
Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.
Page Viewed: Tuesday, April 25, 2017: @21:49:24Tuesday, April 25, 2017: @21:49:16