

Products ▶ Motherboards ▶ 2nd Gen. Core™ Boards ▶ [C7Q67-H]



Key Features

- Intel® 2nd Generation Core™ i7/i5/i3 processor supported; Socket H2
- Intel® Q67 Express chipset
- Up to 32GB non-ECC DDR3 UDIMMs 1333MHz in 4 DIMM slots
- 1 PCI-E 2.0 x16, 1 PCI-E 2.0 x4, 2 PCI-E x1, and 2 PCI 32-bit 5V slot
- Intel 82579LM and 82574L Gigabit Ethernet Controller; 2 LAN ports
- 4x SATA3 (6Gbps) w/ RAID 0, 1; 4x SATA2 (3Gbps) w/ RAID 0, 1, 5, 10
- 2x USB 3.0 ports (via header), 12x USB 2.0 ports (6 rear, 6 via header)
- 1 VGA, 1 HDMI, 1 PS2 (KB/Mouse), 4 COM (1 rear, 3 via header) ports and HD Audio Header

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD / SSD List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [Download the Latest Drivers and Utilities](#)
- ▶ [Download Driver CD](#)
- ▶ [OS Compatibility](#)

Specifications

Product SKUs	
MBD-C7Q67-H -B	▪ C7Q67-H (Bulk Pack)
MBD-C7Q67-H-O	▪ C7Q67-H (Retail Box)
Physical Stats	
Form Factor	▪ATX
Dimensions	▪9.6" x 12" (24.38cm x 30.48cm)
Processor/Cache	
CPU	▪ Socket H2 (LGA 1155) ▪ Intel® 2nd Generation Core i7/i5/i3, Pentium and Celeron processor
System Memory	
Memory Capacity	▪ 4x 240-pin DDR3 DIMM sockets ▪ Supports up to 32 GB DDR3 non-ECC Un-Buffered memory (UDIMM) ▪ 1333/1066MHz ▪ Support non-ECC DDR3 UDIMM only
Memory Type	▪ 1333/1066/800MHz non-ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 8GB, 4GB, 2GB, 1GB
Memory Voltage	▪ 1.5 V
On-Board Devices	
Chipset	▪ Intel® Q67 Express chipset
SATA	▪ SATA3 (6Gbps) w/ RAID 0, 1 ▪ SATA2 (3Gbps) w/ RAID 0, 1, 5, 10
Network Controllers	▪ Intel® 82579LM and 82574L, 2x Gigabit Ethernet LAN ports ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	▪ REALTEK ALC889 7.1 HD Audio
Super I/O	▪ Nuvoton NCT6776F
Input / Output	
SATA	▪ 4x SATA3 (6Gbps) ports ▪ 4x SATA2 (3Gbps) ports
LAN	▪ 2x RJ45 LAN ports
USB	▪ 2x USB 3.0 ports (via header) ▪ 12x USB 2.0 ports (6 rear, 6 ports via header)
Audio	▪ S/PDIF I/O headers
Display	▪ 1x VGA port, 1x HDMI 1.4 ports
DOM (Disk on Module)	▪ DOM power connector support
Serial Port / Header	▪ Fast UART 16550 serial ports (Three header and one rear port)
Keyboard/Mouse	▪ PS/2 keyboard/mouse shared connector
Security	▪ TPM 1.2 header
Expansion Slots	
PCI-Express	▪ 1 PCI-E 2.0 x16 slot ▪ 1 PCI-E 2.0 x4 slot ▪ 2 PCI-E x1 slots
PCI	▪ 2x 32-bit PCI 5V slots
System BIOS	
BIOS Type	▪ 64Mb SPI Flash EEPROM w/ AMI BIOS
BIOS Features	▪ Plug and Play (PhP) ▪ DMI 2.3 ▪ PCI 2.3 ▪ ACPI 1.0 / 2.0 ▪ USB Keyboard support ▪ RTC (Real time Clock) Wakeup
Management	
Software	▪ SuperDoctor® III ▪ Watch Dog ▪ AMT 7.0 and vPro7.0
Power Configurations	▪ ACPI / ACPM Power Management ▪ Main Switch Override Mechanism ▪ Wake-On-LAN (WOL) header ▪ Keyboard Wakeup from Soft-Off ▪ Power-on mode for AC power recovery ▪ Internal/External modem ring-on
PC Health Monitoring	
Voltage	▪ Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages. ▪ 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	▪ Total of 4 fan headers supporting up to 4 fans; four 4-pin fan headers ▪ 4x fans with tachometer status monitoring ▪ Status monitor for speed control ▪ Status monitor for on/off control ▪ Support 3-pin fans (w/o speed control) ▪ Low noise fan speed control ▪ Pulse Width Modulated (PWM) fan connectors
Temperature	▪ Monitoring for CPU and chassis environment ▪ CPU thermal trip support ▪ FC temperature sensing logic ▪ Thermal Monitor 2 (TM2) support ▪ PECI
LED	▪ CPU / System Overheat LED ▪ +5V Standby alert LED
Other Features	▪ Chassis intrusion detection ▪ Chassis intrusion header

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

Parts List

Parts List (Bulk Package)			
	Part Number	Qty	Description
C7Q67-H	MBD-C7Q67-H	1	C7Q67-H Motherboard
I/O Shield	MCP-260-00052-0N	1	Standard I/O Shield for C7Q67-H
I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF