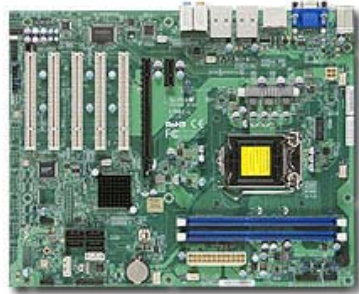


# C7H61-L

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### Key Features

1. Intel® 2nd and 3rd Gen Core i7/i5/i3, Pentium, Celeron processors supported; LGA 1155
2. Intel® H61 Express chipset
3. Up to 16GB 1600MHz non-ECC DDR3 UDIMMs on 2 DIMM slots
4. 1 (x16) PCI-E 3.0, 1 (x1) PCI-E 2.0, and 5 32-bit PCI slots
5. Intel 82579V and 82574L Dual GbE LAN ports
6. 2 SATA 3.0 (6Gb), 4 SATA 2.0 (3Gb)
7. 10 USB 2.0 ports (6 rear, 4 via header)
8. VGA + DP + HDMI ports
9. Realtek ALC888S-VD2 HD Audio
10. 1x COM port
11. Operating Temperature: 0°C - 60°C

### Links & Resources

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

### Specifications

Product SKUs	
<b>MBD-C7H61-L -O</b>	C7H61-L (Retail Pack)
<b>MBD-C7H61-L -B</b>	C7H61-L (Bulk Pack)
Physical Stats	
<b>Form Factor</b>	*ATX
<b>Dimensions</b>	*12" x 9.6" (30.5cm x 24.4cm)
Processor/Cache	
<b>CPU</b>	<ul style="list-style-type: none"> <li>▪ Socket H2 (LGA 1155)</li> <li>▪ Intel® 2nd and 3rd Generation Core i7/i5/i3, Pentium, Celeron processors supported</li> </ul>
System Memory	
<b>Memory Capacity</b>	<ul style="list-style-type: none"> <li>▪ 2x 240-pin DDR3 DIMM sockets</li> <li>▪ Supports up to 16 GB DDR3 non-ECC Un-Buffered memory (UDIMM)</li> <li>▪ 1600/1333MHz</li> <li>▪ Support non-ECC DDR3 UDIMM only</li> </ul>
<b>Memory Type</b>	▪ Unbuffered DDR3 SDRAM 64-bit, 240-pin gold-plated DIMMs
<b>DIMM Sizes</b>	▪ 8GB, 4GB, 2GB
<b>Memory Voltage</b>	▪ 1.5V or 1.35V
On-Board Devices	
<b>Chipset</b>	▪ Intel® H61 Express chipset
<b>SATA</b>	▪ SATA 3.0 (6Gb/s) and SATA 2.0 (3Gb/s)
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>▪ Intel 82579V and 82574L Gigabit Ethernet</li> <li>▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
<b>Audio</b>	▪ REALTEK ALC888S-VD2 HD Audio
<b>Super I/O</b>	▪ Nuvoton NCT6776F
Input / Output	
<b>Serial ATA</b>	<ul style="list-style-type: none"> <li>▪ 4x SATA 2.0 ports</li> <li>▪ 2x SATA 3.0 ports</li> </ul>

Expansion Slots	
<b>PCI-Express</b>	<ul style="list-style-type: none"> <li>▪ 1x (x16) PCI-E 3.0</li> <li>▪ 1x (x1) PCI-E 2.0</li> </ul>
<b>PCI</b>	▪ 5x 32-bit PCI slots (5V Key)
System BIOS	
<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>▪ 64Mb SPI Flash EEPROM with AMI UEFI BIOS</li> <li>▪ Plug and Play (PnP)</li> <li>▪ DMI 2.3</li> <li>▪ PCI 2.3</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>▪ ACPI 1.0 / 2.0</li> <li>▪ USB Keyboard support</li> <li>▪ RTC (Real time Clock) Wakeup</li> <li>▪ 3TB HDD Support</li> </ul>
Management	
<b>Software</b>	<ul style="list-style-type: none"> <li>▪ SuperDoctor® III</li> <li>▪ Watch Dog</li> </ul>
<b>Power Configurations</b>	<ul style="list-style-type: none"> <li>▪ ACPI / ACPM Power Management</li> <li>▪ Main Switch Override Mechanism</li> <li>▪ Wake-On-LAN (WOL) header</li> <li>▪ Wake-On-Ring (WOR) header</li> <li>▪ Keyboard Wakeup from Soft-Off</li> <li>▪ Power-on mode for AC power recovery</li> </ul>
PC Health Monitoring	
<b>Voltage</b>	<ul style="list-style-type: none"> <li>▪ Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages.</li> <li>▪ Digital 4+2 Phases auto sensing voltage regulator for CPU and Integrated Graphics Processor</li> </ul>
<b>FAN</b>	<ul style="list-style-type: none"> <li>▪ Total of 4 fan headers supporting up to 4 fans</li> <li>▪ 4x fans with tachometer status monitoring</li> <li>▪ Status monitor for speed control</li> <li>▪ Status monitor for on/off control</li> <li>▪ Support 3-pin fans (w/o speed control)</li> </ul>

<b>LAN</b>	▪ 2x RJ45 LAN ports
<b>USB</b>	▪ 10x USB 2.0 ports (6 rear, 4 via headers)
<b>Audio</b>	▪ Line-in / Line-out / Microphone Ports; optical S/PDIF port, Front Panel Header
<b>DOM (Disk on Module)</b>	▪ DOM power connector support
<b>Serial Port / Headers</b>	▪ 1x COM port
<b>Others</b>	▪ VGA + DP + HDMI ports

	▪ Low noise fan speed control ▪ Pulse Width Modulated (PWM) fan connectors
<b>Temperature</b>	▪ Monitoring for CPU and chassis environment ▪ CPU thermal trip support ▪ Adaptive Thermal Monitor support ▪ PECI 3.0
<b>LED</b>	▪ CPU / System Overheat LED ▪ Standby alert LED
<b>Other Features</b>	▪ Chassis intrusion detection ▪ Chassis intrusion header ▪ eUSB standoff

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
<b>C7H61-L</b>	MBD-C7H61-L -B	1	C7H61-L Motherboard
<b>I/O Cable 1</b>	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
<b>I/O Shield</b>	MCP-260-00051-0N	1	STANDARD I/O SHIELD FOR C7H61 WITH EMI GASKET
<b>Manual</b>	MNL-1455-QRG	1	C7H61 QUICK REFERENCE GUIDE

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