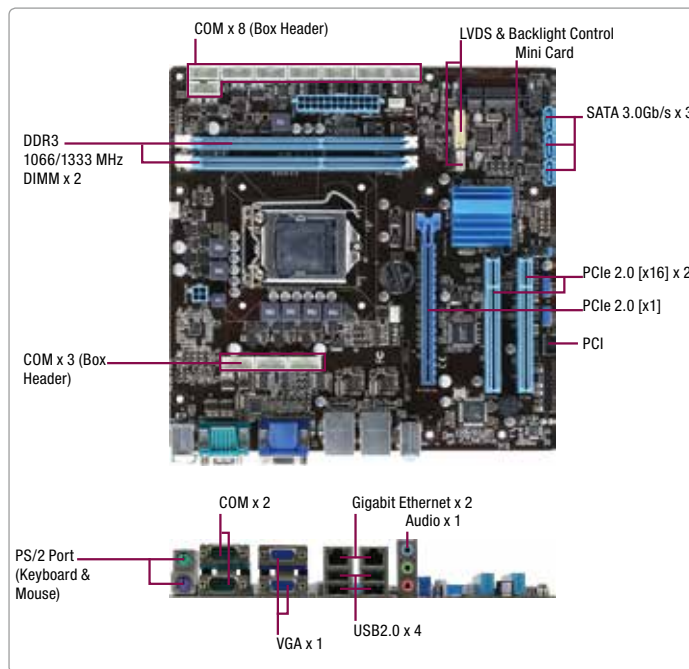


IMBM-H61B

Micro-ATX Board with Intel® 3rd/2nd Generation Core™ i7/ i5/ i3 CPU, 13 Serial Ports & 8 USB

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Embedded & Industrial Motherboards



Features

- Intel® Socket 1155 for 2nd/3rd Generation Core™ Processor
- Intel® H61 Express Chipset
- DDR3 1066/1333 MHz DIMM x 2, Max. 16GB
- Realtek RTL8111F x 2, Gigabit Ethernet x 2
- Realtek ALC887
- VGA x 2, LVDS Dual Independent Displays
- COM x 13, USB 2.0 x 8, SATA 3.0Gb/s x 3, CFast™ x 1
- PCI-E [x16] x 1, PCI x 2, Mini Card x 1



Specifications

System	
Form Factor	Micro ATX
Processor	LGA1155 socket for Intel® 2nd/3rd Generation Core™ i7/ i5/ i3/ Pentium® / Celeron® Processors
System Memory	DIMM x 2, max. 16GB, DDR3 1066/1333 MHz, non-ECC un-buffered memory, Dual channel memory architecture
Chipset	Intel® H61 Express Chipset
I/O Chipset	Fintek 81866D (5 COM) + Fintech 81216HD (8 COM) x 2
Ethernet	Realtek RTL8111F x 2, Gigabit Ethernet, RJ-45 x 2
BIOS	64Mbit Flash ROM, AMI BIOS
Wake On LAN	Yes (WOL / PXE)
Watchdog Timer	1~255 steps by software program
H/W Status Monitoring	Temperature Monitor on CPU/System Voltage Monitor on Vcore/5V/3.3V/12V Fan Monitor on CPU/ Chassis
Expansion Interface	PCIe 2.0 [x16] x 1, PCI x 2, Mini Card x 1
Battery	Lithium battery
Power Requirement	24-pin ATX connector x 1, 4-pin ATX 12V Power connector x 1
Power Consumption (Typical)	Intel® Core™ i5-2390T, DDR3 1333 8GB 3.9A@12V
Board Size	9.6" x 9.6" (244 mm x 244 mm)
Gross Weight	1.55 lb (0.7 Kg)
Operation Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 185°F (-40 °C ~ 85°C)
Operation Humidity	0% ~ 90% RH, non-condensing
MTBF (Hours)	87,000
Display	
Chipset	Intel® Graphics Media Accelerator
Graphic Engine	Intel® HD Graphic Support, Dual independent Display
Resolution	Up to 1920 x 1200 @75 Hz for VGA Up to 1920 x 1200 @60 Hz for LVDS Dual Channel, 18/24-bit
Output Interface	VGA_1 + LVDS, VGA_1 + VGA_2, LVDS + VGA_2
I/O	
Storage	SATA 3.0Gb/s x 3, CFast™ socket x 1
Serial Port	RS-232 on back panel (COM1 & COM2) x 2, COM2 supports 5V/12V/RI optional RS-232/422/485 with onboard box header x 1 (COM 9 supports 5V/12V/RI optional) RS-232 with onboard box header x 10
Digital I/O	8-bit Digital I/O interface (4-in /4-out)
Universal Serial Bus	USB 2.0 x 8, 4 ports on mid-board, 4 ports on back panel)
PS/2 Port	PS/2 Port (Keyboard & Mouse) x 2
Audio	Realtek ALC887, Line-in, Mic-in, Line-out

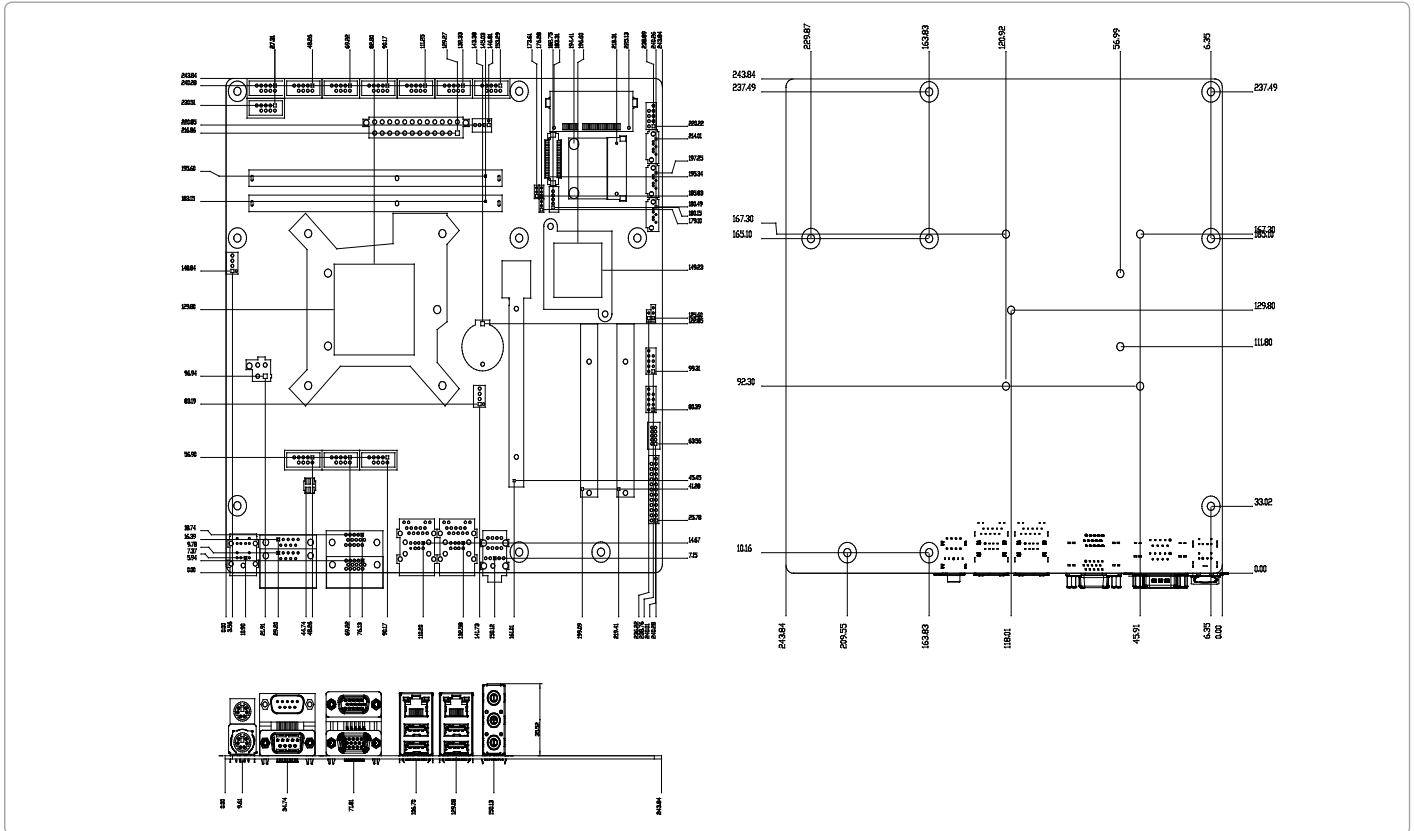
Packing List

- 1701100260
COM Cable (4P, 260MM, p=2.54mm)
- SATA Cable x 2
- I/O Shield
- Product CD
- IMBM-H61B

IMBM-H61B

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
IMBM-H61B-A10	Socket	DIMM	Fan	SATA2 x 3 CFast™ x 1	VGA x 2	18/24-bit Dual Channel	GbE x 2	USB 2.0 x 8	11	2	PCIe [x16] x 1 PCI x 2 Mini Card x 1	ATX	0°C ~ 60°C

Optional Accessories

- **1709100330**
USB 2.0 Cable (9P, 330MM, p=2.54mm)
- **1701260305**
LPT Cable (25P, 270MM)
- **175921156B**
CPU Cooler (1156 Socket, 4P, 2Ball, 95W)
- **1709070800**
SATA Cable