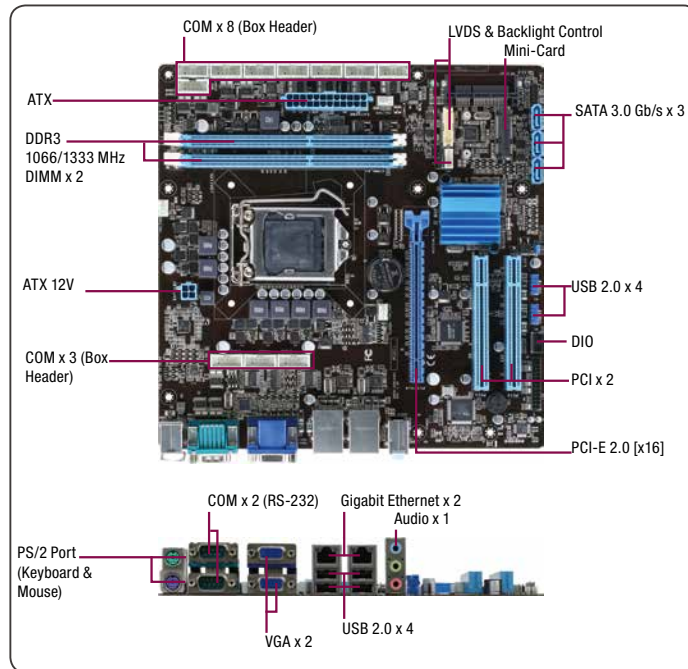


10 IMBM-H61B

Micro-ATX Board with Intel® 3rd/2nd Generation Core™ i7/i5/i3 Processor, COM x 13 & USB x 8



Features

- Intel® Socket 1155 for 2nd/3rd Generation Core™ i7/i5/i3 Processor
- Intel® H61 Express Chipset
- DDR3 1066/1333 MHz DIMM x 2, Up to 16 GB
- 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 3.0 Gb/s x 3, CFast™ x 1
- PCI-E [x16] x 1, PCI x 2, Mini-Card x 1



Rear Panel I/O Ports

USB	USB 2.0 port x 4
Display I/O	VGA x 2
Audio I/O	Audio Jack x 3: Line-in, Mic-in, Line-out
LAN I/O	LAN (RJ-45) port x 2
Serial Port	RS232 DB-9 connector x 2
PS/2 Port	PS/2 Keyboard Connector x 1, PS/2 Mouse Connector x 1
Others	—

Internal I/O Connectors

Storage	SATA2 (3.0Gb/s) connector x 3, CFast™ Socket x 1
USB	USB 2.0 connector x 2 supports additional USB port x 4
Display I/O	LVDS x 1
Audio I/O	—
Serial Port	RS-232/422/485 box header x 2 (COM4 & COM9, COM 4 supports 5V/12V/RI option), RS-232 box header x9 (COM3, COM5~8, COM10~13)
PS/2 Port	—
Parallel Port	LPT connector x 1, SPP/EPP/ECP mode support
DIO	8-bit Digital I/O interface x 1 (In/Out programmable)
FAN	CPU Fan connector(s) (4-pin) x 1, Chassis Fan connector(s) (4-pin) x 2 (Fan2 optional)
Others	Front panel header x 1, Clear CMOS jumper x 1, BIOS flash header (2[x4]P p=1.27mm) x 1
OS	
OS Support	Windows® XP 32-bit, Windows® 7 32/64-bit, Linux Fedora

Specifications

System	
Processor	Intel® 3rd/ 2nd Generation Core™ i7/i5/i3/Pentium®/ Celeron® 22nm LGA 1155 Processors
Chipset	Intel® H61 Express Chipset
Memory	240-pin DIMM x 2, max. 16GB, DDR3 1333/1066/800 MHz, non-ECC, un-buffered memory, Dual channel memory architecture
I/O Chipset	Fintech 81866D (5 COM), Fintech 81216HD (8 COM) x 2
Ethernet	Realtek RTL8111F Giga LAN x 2
Audio	Realtek ALC887
TPM	—
Expansion Slots	PCIe 2.0[x16] Slot x 1, PCI x 2, Half Size Mini-Card x 1
BIOS	64Mbit Flash ROM, AMI BIOS
H/W Monitor	Temperature Monitor on CPU/Chassis, Voltage Monitor on Vcore/5V/3.3V/12V, Fan Monitor on CPU/Chassis
WatchDog Timer	1~255 steps by software program
Smart Fan Control	CPU Fan/ Chassis Fan
Wake On LAN/PXE	Yes (WOL/PXE)
Power State	S3, S4, S5
Graphics	
Graphics Chipset	Intel® HD Graphics
Graphics Multi Display	VGA_1+LVDS, VGA1+VGA2, LVDS+VGA2
VGA	Up to 1920 x 1200 @75Hz
DVI	—
HDMI	—
Display Port	—
LVDS	Up to 1920 x 1200 @60 Hz
eDP	—
Backlight Control	Voltage/ PWM
Environment & Power & ME	
Battery	Lithium battery
Power Requirement	24-pin ATX connector x 1, 4-pin ATX 12V Power connector x 1
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 80% RH , non-condensing
Certificate	CE & FCC Class A
Form Factor	Micro-ATX Form Factor, 9.6" x 9.6" (244mm x 244mm)
Weight	1.55 lb (0.7 Kg)
MTBF (Hours)	—

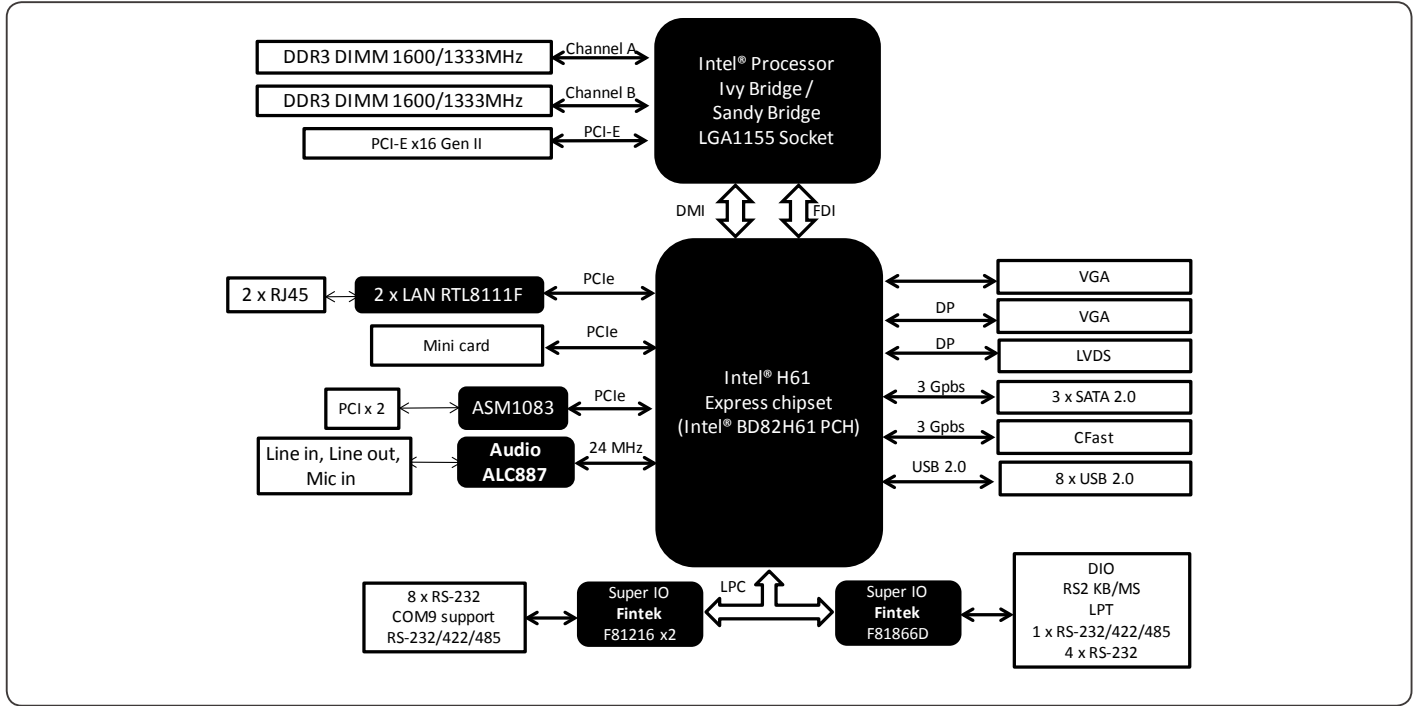
Packing List

- 14001-00400100
COM Cable (9P, 260MM, p=2.54mm) w/bracket
- I/O Shield
- 14001-00700100
SATA 3G Cable (7P, 180; 90, 500mm) 2 in 1
- I/O Shield
- Product CD
- IMBM-H61B

Optional Accessories

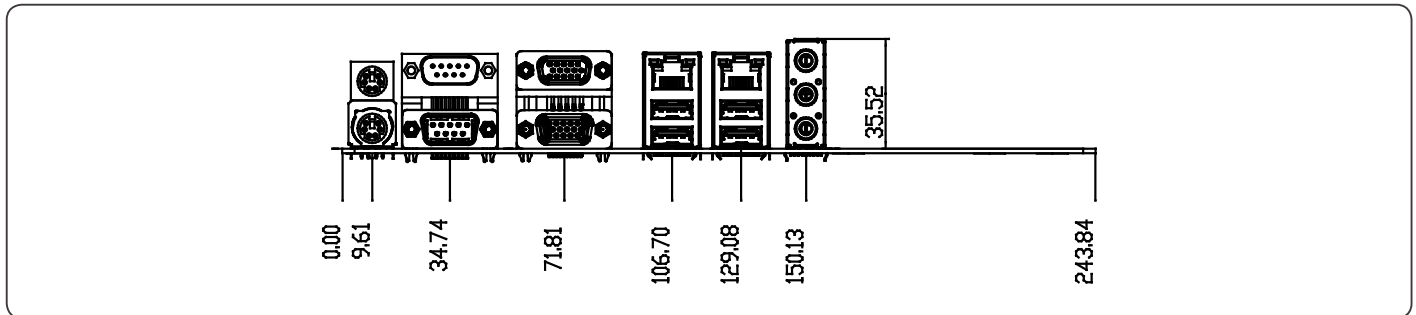
- 1709100330
USB 2.0 cable (9P, 330MM, p=2.54mm, w/bracket)
- 170910020K
USB 2.0 cable (9P, 200MM, p=2.54mm, w/o bracket)
- 1701260305
LPT Cable (25P, 270MM)
- 175921156B
CPU Cooler (2-Ball, Push-pin Type)
- 1759200172
CPU Cooler (2-Ball, Screw with Retention Plate)
- 1709070800
SATA Cable

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Display	Storage	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	TPM	Temp.
IMBM-H61B-A10	LGA1155 socket	DDR3 1333/1066	Fan	VGA x 2	SATA2 x 3, CFAST Socket x 1	18/24b, 2CH	GbE x 2	USB 2.0 x 8	11	2	PCIe[x16] x 1, PCI x 2, Mini-Card x 1	ATX	—	32°F ~ 140°F (0°C ~ 60°C)