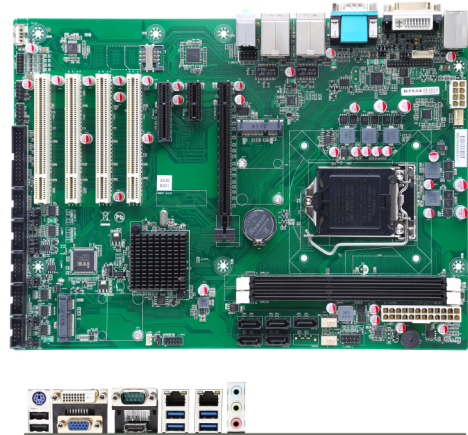


Intel® 2nd/3rd Generation Core™ i3/i5/i7 CPU, B75 Chipset, 3x PCIe, 4x PCI, 6x COM, 11x USB, 2x LAN

Features

- Supports Intel® 2nd/3rd Gen Core™ i3/i5/i7 CPU
- Adopting Intel® B75 Chipset
- 6x COM, 4x USB 3.0, 7x USB 2.0, 2x Intel® GbE LAN
- Supports Triple display of 1x VGA, 1x HDMI, 1x DVI, 1x eDP
- 1x PCIe x16, 1x PCIe x4, 1x PCIe x1, 4x PCI
- 2x Mini-PCIe (1x mSATA, 1x Wifi/3G/4G)



Specifications

Model	DMB-AB75
CPU	Support Inte® 2nd/3rd Generation Core / Pentium/ Celeron Desktop CPU, LGA1155 Support MAX CPU TDP:65W
Chipset	Intel® B75, TDP 6.7W
Display [1]	1x DVI(DVI-D): Support max resolution up to 1920x1200@60Hz 1x HDMI (TYPE-A): Support max resolution up to 1920x 1200@60Hz 1x VGA(DB15/F): Support max resolution up to 1920x1200@60Hz 1x eDP/LVDS (Header): Support max resolution up to 1920x1200@60Hz, default LVDS
Memory [2]	Support DDR3-1333/1600MHz, 2x non-ECC U-DIMM Slot, Up to 16GB
Storage	5x SATA2.0 7P Connector 1x Mini PCI-E Slot (mSATA, SATA3.0)[3]
Ethernet	2x Intel® R GBE LAN Chip (10/100/1000 Mbps, RJ45)
Audio	Realtek ALC897 5.1 Channel HDA Codec, 1x Line-out + Line-in + MIC 3.5mm Jack 1x Front Audio Header (Line-Out + MIC)
Expansion Slots	1x PCI-E16x Slot (PCI-E 3.0)[4] 1x PCI-E 4x Slot (PCI-E 2.0) 1x PCI-E1x Slot (PCI-E 2.0) 4x PCI Slot 1x Mini PCI-E Slot (WIFI+4G/3G, with 1x Full-Size SIM Card Slot)
COM	1x RS232(COM1, DB9/M) 3x RS232(COM2/5/6, Header) 1x RS232/RS485(COM3, Header) 1x RS232/RS485(COM4, Header)
USB	4x USB3.0(TYPE-A, Rear IO) 2x USB2.0(TYPE-A, Rear IO) 1x USB2.0(Vertical TYEP-A, Internal) 4x USB2.0(Header, Internal)

Specifications

Other Ports	8× GPIO 1× PS/2 Connector (Keyboard & Mouse) 1× Front Panel Header (HDD LED+PWR LED+PWR-ON+RESET) 1× Parallel Header 1× SMBUS Header 1× System FAN Header 2× CPU FAN Header 1× Case Open Header 1× CMOS Clear Jumper 1× ME Flash Jumper 1× USB VDD Select Jumper (For RJ45_USB1) 1× Buzzer Header (Not onboard by default)
	1× TPM Header (LPC Signals)
System	Windows 7 Linux
Temperature	Storage: -20~75°C Operating: 0~60°C
BIOS	AMIUEFI BIOS (Support Watchdog Timer)
Power Supply	ATX Standard (24P + 8P) 1× ATX 8P CPU Power Input Connector 1× ATX24P Power Input Connector
Factor	305mm× 220mm

Notes:

[1]: Intel® B75 supports two independent displays.

[2]: The maximum memory frequency depends on CPU.

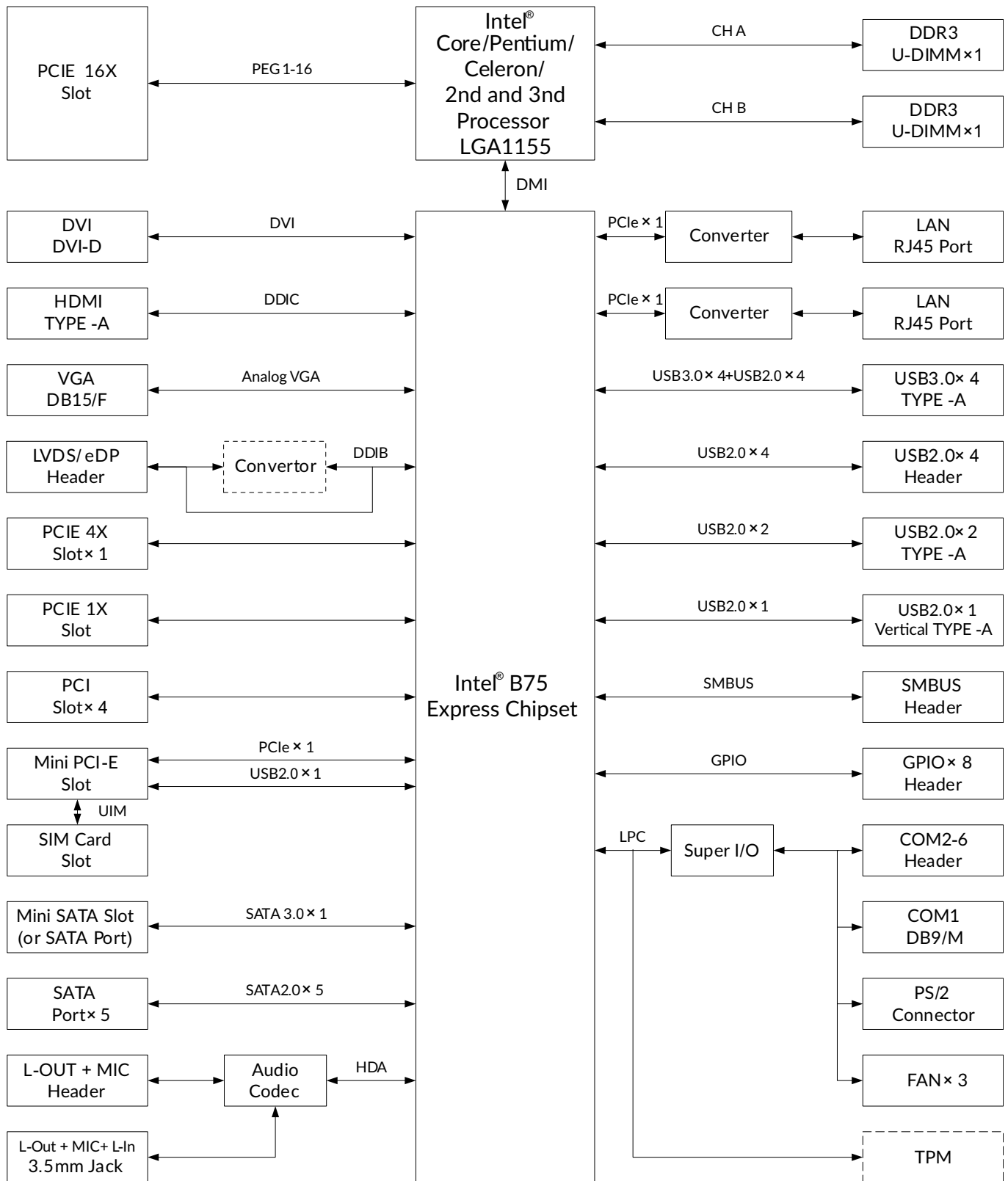
[3]: MINI_PCIE2 and SATA6 share the same SATA3.0 signal, they cannot be accessed simultaneously (supportMINL_PCIE2 by default).

[4]: PCIe 3.0 only support by Intel® 3th generation Core i5/7 CPU.




TPM

Factor

Functional Block Diagram



Packing list

COM data cable (single port) DB9 (with iron plate) to 10P 2.54MM spacing pin (plug the 10th hole), with a total length of 40cm cross connection	5pcs/set	COM data cable	
SATA data cable 7P-7P 180 ° -180 ° with shrapnel at both ends, with a total length of 50cm yellow wire	1pcs/set	SATA data cable	
IO blocking SVIO-312 with three layers and 2.5mm aluminum foil foam for selection (2× RJ45)	1pcs/set	IQ blank	

Ordering information

Product Model	Parameter
DMB-AB75	Intel® 2nd/3rd Generation Core™ i3/i5/i7 CPU, B75 Chipset, 3× PCIe, 4× PCI, 6× COM, 11× USB, 2× LAN