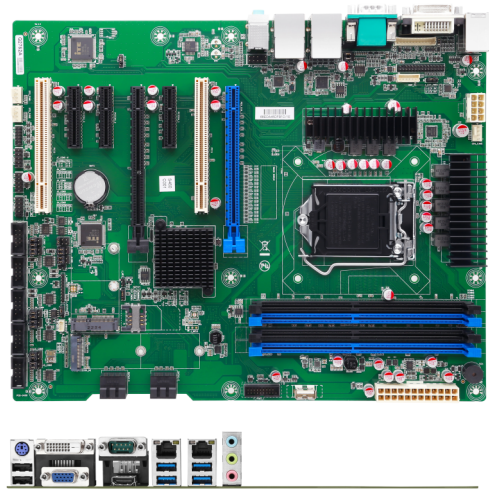


Intel® 6/7/8/9th Generation Core™ i3/i5/i7/i9 CPU, Q270 Chipset, 2× PCIeX16, 3× PCIeX4, 2× PCI, 6× COM, 13× USB, 2× LAN

## Features

- Supports Intel® 6/7/8/9 Gen Core™ i3/i5/i7/i9 CPU
- Adopting Intel® Q270 Chipset
- 2× Intel GbE LAN, 6× USB 3.0, 7× USB 2.0, 6× COM
- Supports Triple display of 1× VGA, 1× HDMI, 1× DVI, 1× eDP
- 2× PCIe x16, 3× PCIe x4, 2× PCI
- Supports vPro, AMT, RAID, TPM 2.0, Case Open



## Specifications

Model	DMB-AQ270
CPU	Support Intel® 6/7/8/9th Generation Core™ / Pentium/ Celeron Desktop CPU, LGA1151 Support MAX CPU TDP: Octa-Core 95W
Chipset	Intel® Q270, TDP 6W
Display [1]	1× DVIK(DVI-D): up to 1920× 1200@60Hz 1× HDMI 1.4b (TYPE-A): up to 4096x2160@24Hz 1× VGA(DB15/F /Header, default DB15/F): up to 1920× 1200@60Hz 1× eDP (Header): Support max resolution up to 1920x 1200@60Hz
Memory [2]	Support DDR4-2133/2400MHz, 4× non-ECC U-DIMM Slot, Up to 64GB
Storage	Support RAID0,1,5,10 4× SATA3.0 7P Connector 1× M.2 KEY-M Slot (PCIE 4X NVMe/ SATA SSD Auto Detect, 2242/2280)
Ethernet	RJ45_USB1(RJ45):1× 1219-V GBE LAN Chip (10/100/1000 Mbps, RJ45) RJ45_USB2(RJ45): 1× 1225-V GBE LAN Chip (10/100/1000 Mbps, RJ45)
Audio	Realtek Audio HDA Codec, 1× Front Audio Header (Line-Out + MIC) 1× Line-out + Line-in + MIC 3.5mm Jack
Expansion Slots	1× PCI-E 16x Slot (PCI-E 3.0, PCIE 8X Signal, PCIE 16X Optional) [3] 1× PCI-E 16x Slot (PCI-E 3.0, PCIE 8x Signal ) [3] 3× PC-E4x Slot (PCI-E 3.0, PCIE 4X Signal) 2× PCI Slot 1× PCI CLK 66MHz/33MHz Select Jumper 1× Mini PCI-E Slot(PCIE+USB2.0, Support WIFI+4G/3G, with 1× SIM Card Slot)
COM	1× RS232(COM1, DB9/M) 3× RS232 (coM2i75/6, Header) 1× RS232/RS422/RS485 (COM3, Header) 1× RS232/RS485 (COM4, Header)
USB	4× USB3.0(TYPE-A, Rear IO) 2× USB3.0 (Header) 2× USB2.0(TYPE-A, Rear IO) 1× USB2.0(vertical TYEP-A, Internal) 4× USB2.0(Header)

## Specifications

<b>Other Ports</b>	8× GPIO 1× PS/2 Connector(Keyboard & Mouse) 1× Front Panel Header (HDD LED+PWR LED+PWR-ON+RESET) 1× Port80 Debug Header 1× SMBUS Header 2× System FAN Header 1× CPU FAN Header 1× Case Open Header 1× CMOS Clear Jumper 1× AT or ATX Select Jumper
<b>TPM</b>	SLB9665,TPM2.0(not onboard by default)
<b>System</b>	Windows 7/8.1/10, Linux
<b>Temperature</b>	Storage: -20~75°C Operating: 0~60°C
<b>BIOS</b>	AMI UEFI BIOS (Support Watchdog Timer)
<b>Power Supply</b>	ATXStandard(24P +8P) 1× ATX 8P CPU Power Input Connector 1× ATX 24P Power Input Connector
<b>Factor</b>	ATX Standard (305mm × 244mm)

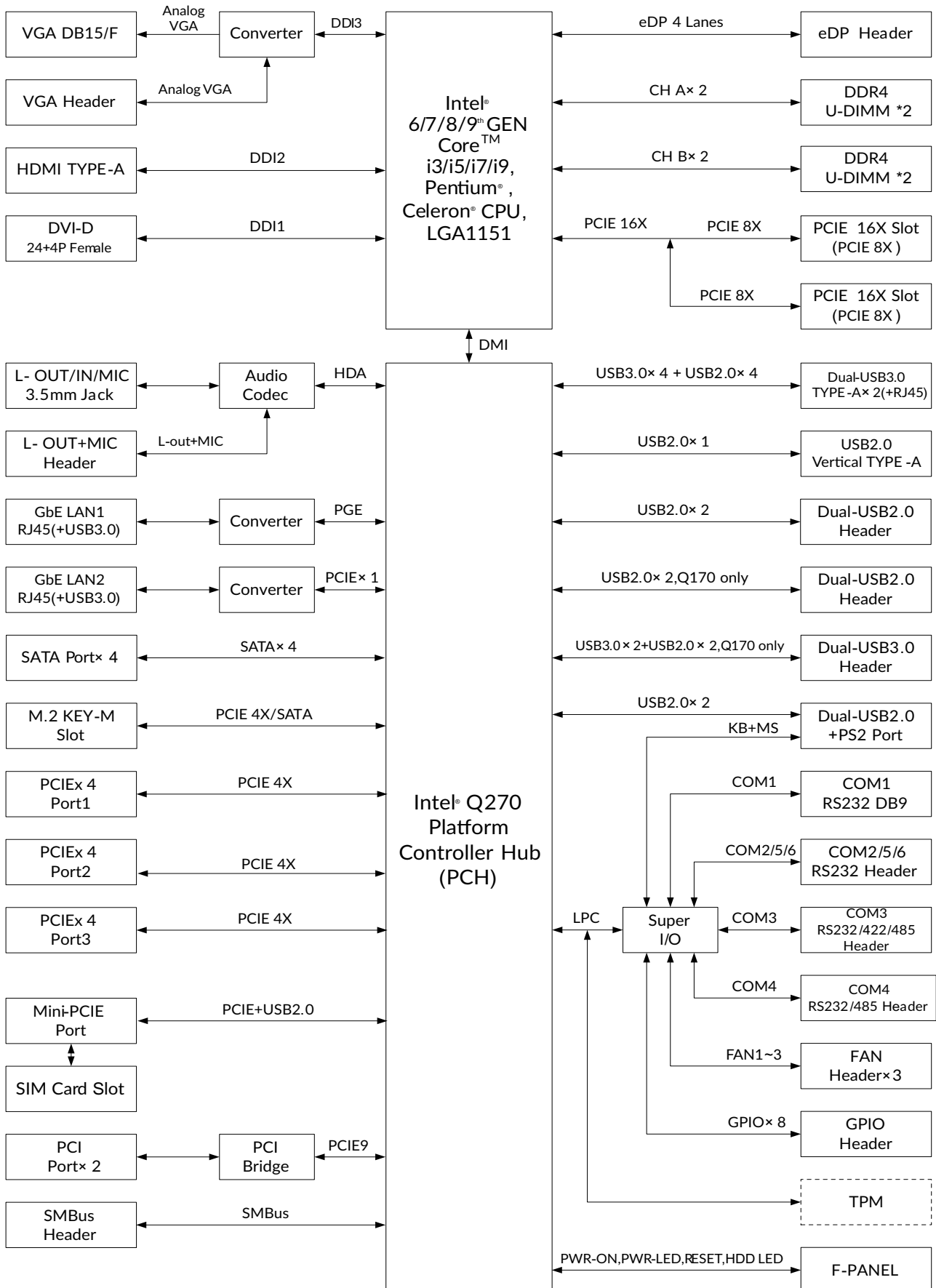
### Notes:

[1]: Intel® Q270 supports three independent displays.




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

[3]: PEIIC 8X signal for PEG\_X8\_2 colay with PEG\_X16\_1, PEG\_X8\_2 and PEG\_X16\_1 support PEIC 8X by default If notsupport PEG\_X8\_2, PEG\_X16\_1 support PCIE 16X. (resistor selectable)

## 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-AQ270	Intel® 6/7/8/9th Generation Core™ i3/i5/i7/i9 CPU, Q270 Chipset, 2× PCIeX16, 3× PCIeX4, 2× PCI, 6× COM, 13× USB, 2× LAN