

# AIMB-270

Intel® Core™ i7/i5/Celeron Mini-ITX with  
VGA/2DVI/LVDS, 6 COM, Dual LAN, PCIe x16

NEW



CE FCC

## Features

- Supports Intel® Core™ i7 and i5 mobile processor (PGA) with Intel QM57 chipset
- Supports dual display of 2 DVI, LVDS, and VGA
- Supports PCIe x16 (Gen 2) and mini PCIe
- Supports, AMT6.0 and software RAID 0, 1, 5, 10
- Supports embedded software APIs and Utilities

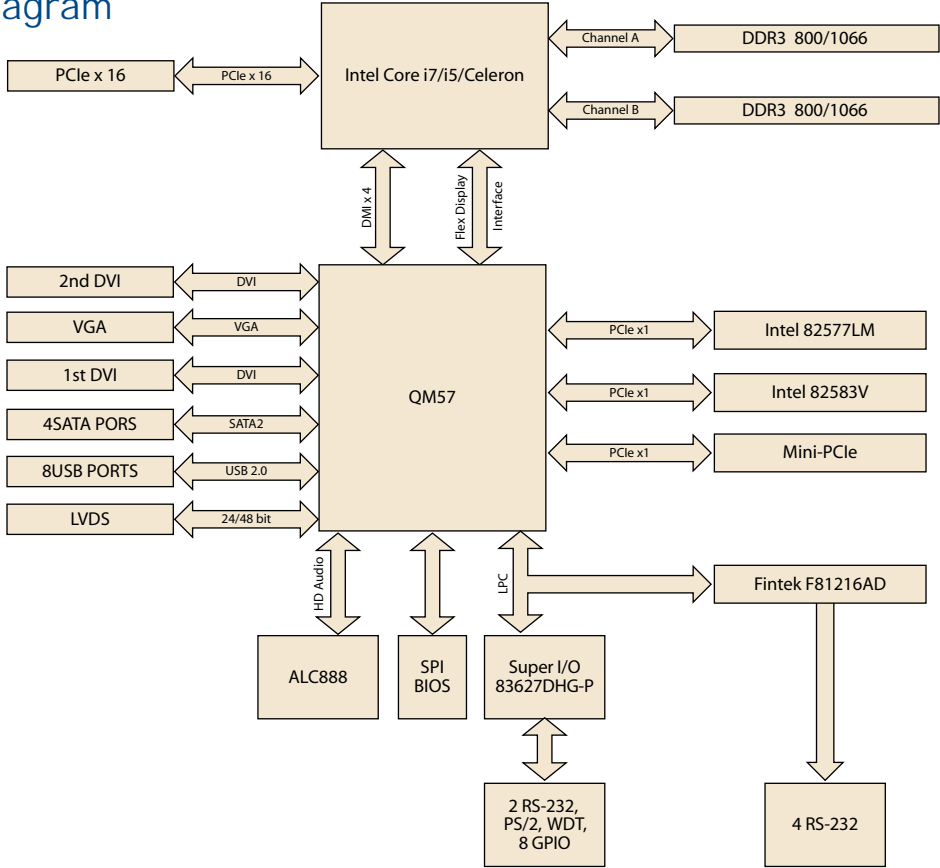


Note: eSOS need ODM BIOS by request

## Specifications

Processor System	CPU	Intel Core i7	Core i5	Intel Celeron		
	Max. Speed	2.66 GHz	2.4 GHz	1.86 GHz		
	DMI/FDI	DMI/FDI				
	L2 Cache	4 MB	3 MB	2 MB		
	Chipset	Intel 5 series Chipset (QM57)				
	BIOS	AMI EFI 64 Mbit SPI				
	Expansion Slot	PCI	-			
Mini-PCIe		1				
PCIe x16 (Gen2)		8 GB/s per direction, 1 slot				
Memory	Technology	DDR3 800/1066				
	Max. Capacity	8 GB				
	Socket	2x 204 PIN DDR3 Socket				
Graphics	Controller	Integrated Gfx Gen5.75, supports DirectX 10 and OpenGL 2.1				
	VRAM	Shared system memory, 2 GB and above, total system memory shared 1 GB maximum video memory				
	VGA	Yes, supports max. resolution 2048 x 1536				
	LVDS	Single channel 18/24-bit/Dual channel 36/48-bit LVDS, supports max resolution 1920 x 1200				
	1st DVI	Yes, supports max. resolution 1920 x 1200				
	2nd DVI	Yes, with internal pin header, supports max. resolution 1920 x 1200				
	Dual Display	CRT+LVDS, CRT+DVI, LVDS+DVI				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	GbE LAN1: Intel 82577LM, LAN2: Intel 82583V				
	Connector	RJ-45 x 2				
SATA	Max Data Transfer Rate	300 MB/s				
	Channel	4				
Rear I/O	VGA	1				
	DVI	1				
	Ethernet	2				
	USB	4 (USB 2.0 compliant)				
	Audio	3 (Mic-in, Line-out, Line-in)				
	Serial	2 (RS-232)				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connector	USB	4 (USB 2.0 compliant)				
	LVDS/inverter	1				
	2nd DVI	1				
	Serial	4 (RS-232)				
	IDE	-				
	SATA	4				
	Mini-PCIe	1				
	Parallel	-				
	IrDA	-				
	DIO	8 bit				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec/min				
Power Requirements	Power On	5 V	3.3 V	12 V	5 Vsb	-12 V
		3.42 A	1.1 A	1.19 A	0.5 A	0.07A
Environment	Temperature	Operating	Non-Operating			
		0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution	-20 ~ 70° C (-4 ~ 158° F)			
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")				

Board Diagram



Ordering Information

Part Number	VGA	2 DVI	GbE LAN	COM
AIMB-270G2-00A1E	Yes	Yes	2	6

Packing List

Part Number	Description	Quantity
1700003194	SATA HDD cable	2
1703150102	SATA power cable	2
1960047209N001	CPU cooler	2
1701400181	Cable kit for 4 serial ports	1
1960019193T100	I/O port bracket	1
20060270010	Startup manual	1
20660270000	Driver CD	1

Optional Accessories

Part Number	Description
1700003195	USB cable with four ports, 17.5 cm
1700002204	USB cable with four ports, 27 cm
1700008461	USB cable with four ports, 30.5 cm
1700008822	DVI cable

Embedded OS

OS	Part No.	Description
Win XPE	2070009655	XPE WES2009 QM57 AIMB-270 V4.0 ENG
	2070009656	XPE WES2009 QM57 AIMB-270 V4.0 MUI24

Bracket View



