

# AIMB-270

Intel® Core i7/i5/Celeron Mini-ITX with  
VGA/DVI/LVDS, 6 COM, Dual LAN, PCIe x 16

**NEW**



CE FCC

## Features

- Supports Intel Core i7 and i5 mobile processor (PGA) with Intel QM57 chipset
- Supports dual display of DVI, LVDS, and VGA. 2nd DVI is optional
- Support PCIe x 16 (Gen 2) and mini PCIe
- Supports Intel iTPM1.2, AMT6.0 and software RAID 0, 1, 5, 10
- Supports embedded software APIs and Utilities

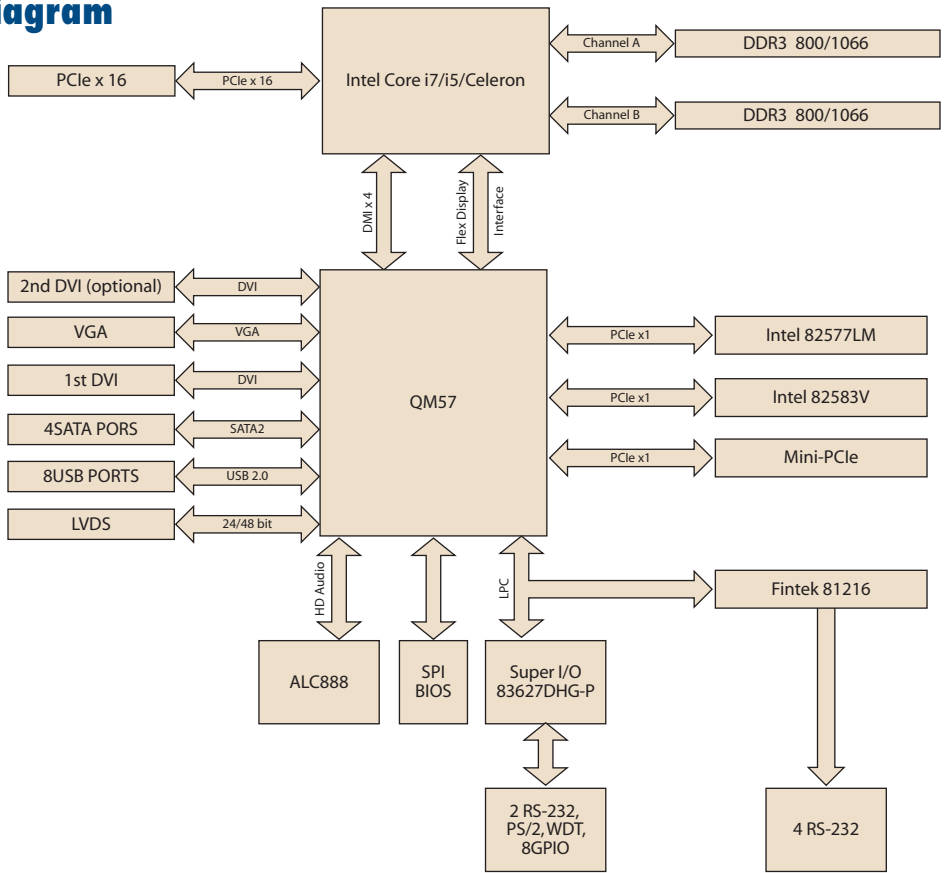


Note: eSOS need ODM BIOS by request

## Specifications

Processor System	CPU	Intel Core i7	Core i5	Intel Celeron		
	Max. Speed	2.66/2.4 GHz	2.53 GHz	1.86 GHz		
	DMI/FDI	DMI/FDI				
	L2 Cache	4/ 3 MB	3 MB	2 MB		
	Chipset	Intel® 5 series Chipset (QM57)				
	BIOS	AMI EFI 64Mbit 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 G1x 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 (optional), with internal pin header, supports max. resolution 1920 x 1200				
Ethernet	Dual Display	CRT+LVDS, CRT+DVI, LVDS+DVI				
	Interface	10/100/1000 Mbps				
	Controller	GbE LAN1: Intel 82577LM, LAN2: Intel 82583V				
SATA	Connector	RJ-45 x 2				
	Max Data Transfer Rate	300 MB/s				
Rear I/O	Channel	4				
	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	-				
Watchdog Timer	DIO	8 bit				
	Output	System reset				
Power Requirement	Interval	Programmable 1 ~ 255 sec/min				
	Power On	5 V	3.3 V	12 V	5 Vsb	-12 V
Environment		TBD	TBD	TBD	TBD	TBD
	Operating	Non-Operating				
Physical Characteristics	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution			-20 ~ 70° C (-4 ~ 158° F)	
	Dimensions	170 mm x 170 mm (6.69" x 6.69")				

**Board Diagram**



**Ordering Information**

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

**Bracket View**



**Packing List**

Part number	Description	Q13quantity
1700003194	SATA HDD cable	x 1
1703150102	SATA power cable	x 2
1960047209N001	CPU cooler	x 2
1701400181	Cable kit for 4 serial ports	x 1
1960019193T100	I/O port bracket	x 1
20060270010	Startup manual	x 1
20660270000	Driver CD	x 1

**Accessories**

Part Number	Description
1700002204	Dual port USB cable (27 cm) with bracket