

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

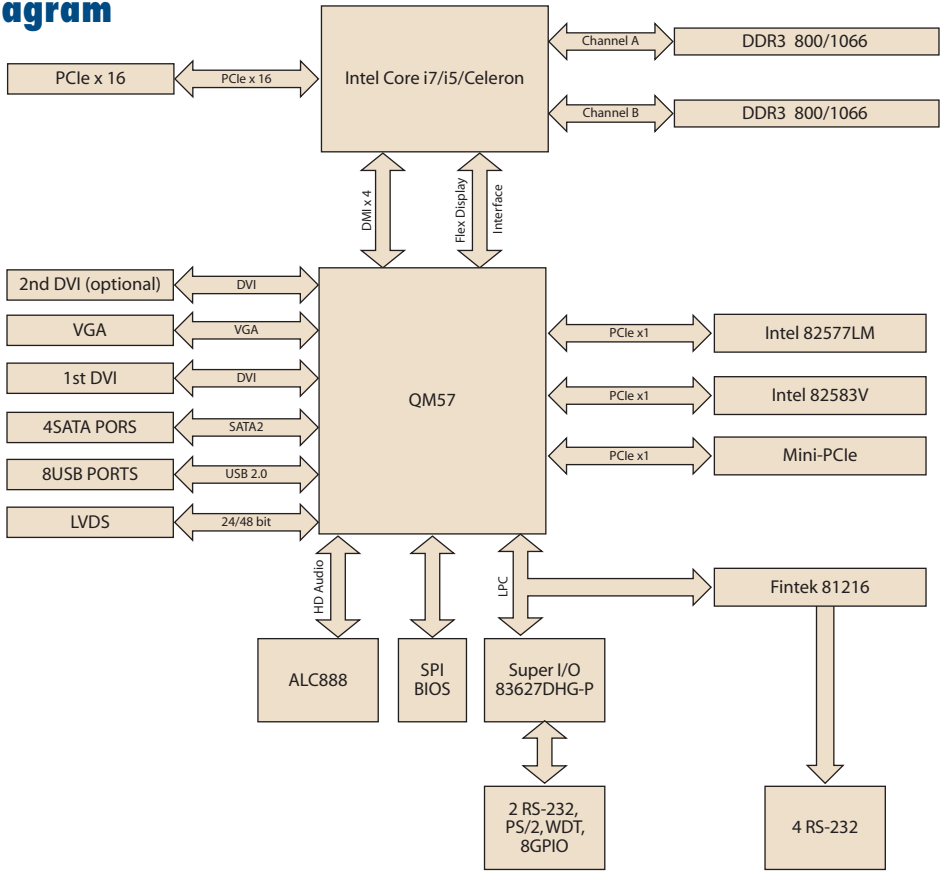


Note: eSOS need ODM BIOS by request

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			
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	-			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Power Requirement	Power On	5 V	3.3 V	12 V	5 Vsb -12 V
		TBD	TBD	TBD	TBD TBD
Environment		Operating		Non-Operating	
	Temperature	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	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