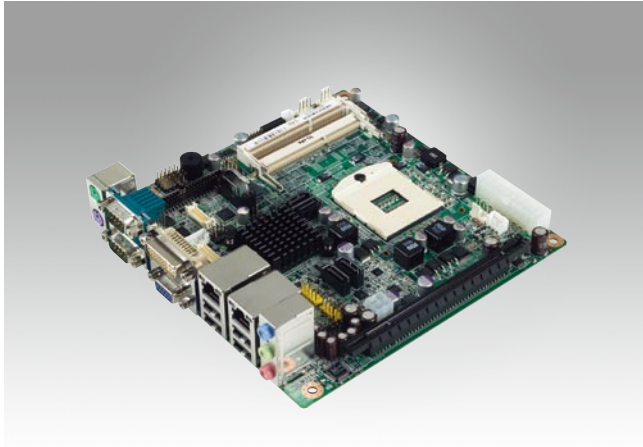


AIMB-270

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



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



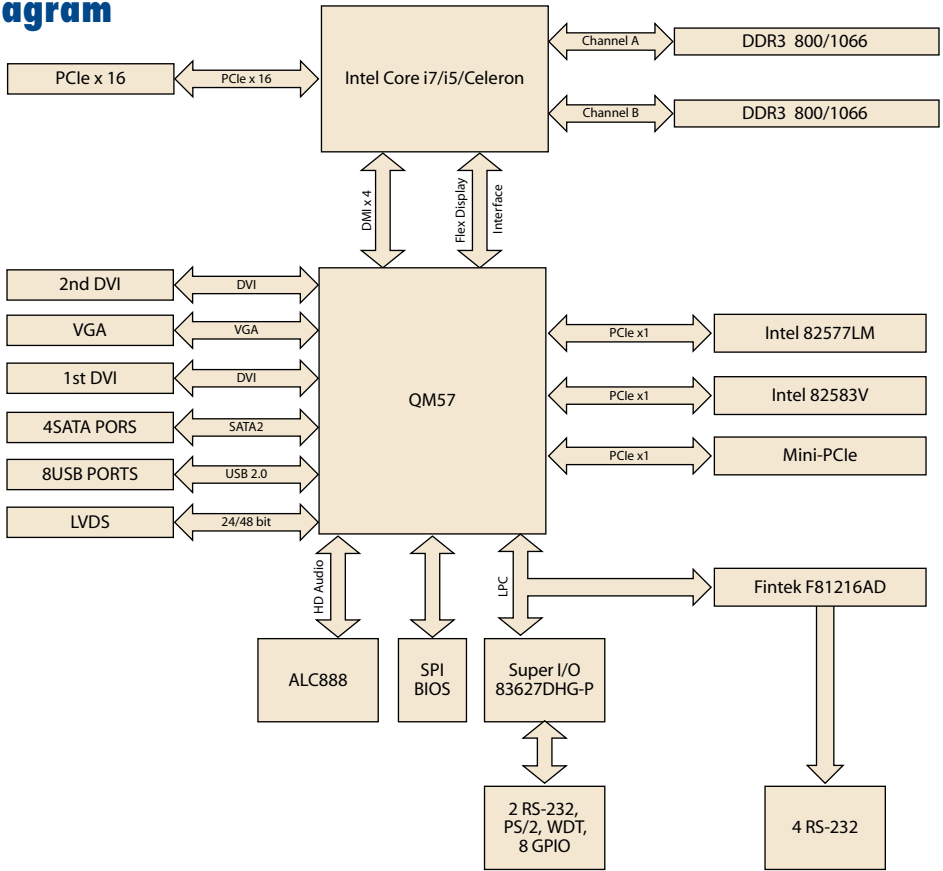
Note: eSOS need ODM BIOS by request

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 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, 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	-		
	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
		3.42 A	1.1 A	1.19 A
Environment	Temperature	5 Vsb	-12 V	
		0.5 A	0.07A	
Physical Characteristics	Dimensions	Operating	Non-Operating	
		0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution	-20 ~ 70° C (-4 ~ 158° F)	



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

Bracket View



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