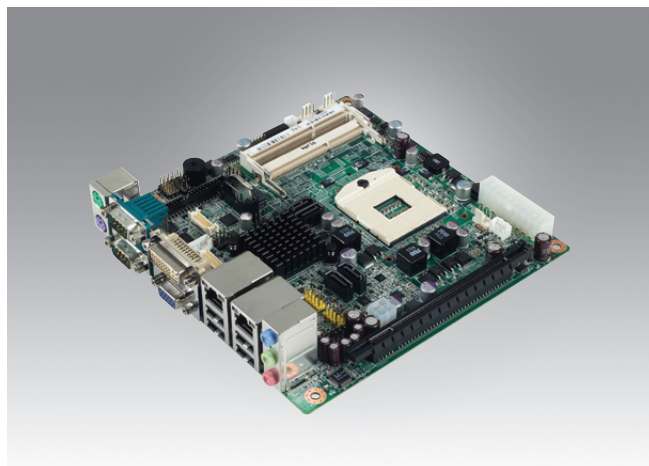


AIMB-270

Intel® Core™ i7/i5/Celeron uFC-PGA989 Mini-ITX
with CRT/2DVI/LVDS, 6 COM, Dual LAN, PCIe x16



Features

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

Software APIs:



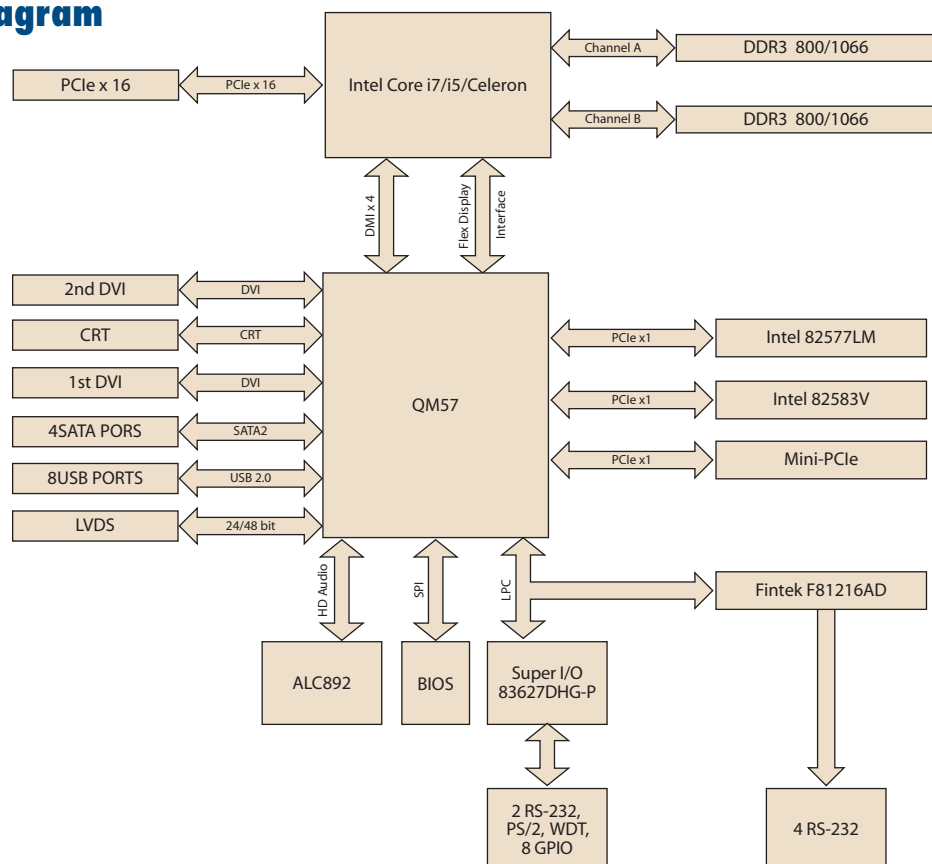
Utilities:



Specifications

Processor System	CPU	Intel Core i7-620M	Intel Core i5-520M	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 MHz SDRAM		
	Max. Capacity	8 GB		
	Socket	2x 204 PIN DDR3 SO-DIMM (Non-ECC)		
Graphics	Controller	Integrated Gfx Gen5.75, supports DirectX 10 and OpenGL 2.1		
	VRAM	1GB maximum shared memory with 2GB and above system memory installed		
	CRT	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		
	CRT	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	GPIO	8-bit		
	Output	System reset		
Power Requirements	Interval	Programmable 1 ~ 255 sec/min		
	Power On	Intel Core i7-620M 2.66 GHz, 4 GB DDR3 1333 MHz SDRAM		
		5 V	3.3 V	12 V
		3.42 A	1.1 A	1.19 A
Environment			5 Vsb	-12 V
			0.5 A	0.07A
Physical Characteristics	Operating	Non-Operating		
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution		
Physical Characteristics		-20 ~ 70° C (-4 ~ 158° F)		
	Dimensions	170 mm x 170 mm (6.69" x 6.69")		

Block Diagram



Ordering Information

Part Number	CRT	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
1960051292N001	CPU cooler	1
1701400181	1-to-4 serial ports cable kit, 18 cm	1
1960019193T100	I/O port bracket	1
20060270010	Startup manual	1
20660270000	Driver CD	1

Optional Accessories

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

Embedded OS/API

OS/API	Part No.	Description
Win XPE	2070009655	XPE WES2009 QM57 AIMB-270 V4.0 ENG
	2070009656	XPE WES2009 QM57 AIMB-270 V4.0 MUI24
Software API	205E270001	SUSI 3.0 SW API for AIMB-270 XP

I/O View



AIMB-270G2-00A1E