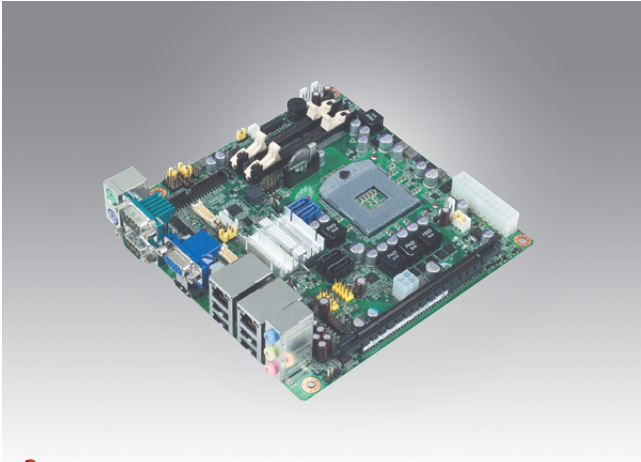


# AIMB-272

**Intel® Core™ i7/i5/i3/Celeron uFC-PGA988  
Mini-ITX with CRT/DVI/HDMI/LVDS, 6 COM,  
Dual LAN, PCIe x16**



## Features

- Supports Intel® Core™ i7/i5/i3 mobile processor (PGA) with Intel QM67/HM65 chipset
- Two 204-pin SO-DIMM up to 8 GB DDR3 1066/1333 MHz SDRAM
- Supports dual display of DVI, HDMI, LVDS, CRT
- Supports PCIe x16 (Gen 2) and mini PCIe
- Supports Intel vPro, AMT 7.0, PECI 3.0, Software RAID 0,1,5,10, TPM 1.2 (optional)
- Supports embedded software APIs and Utilities

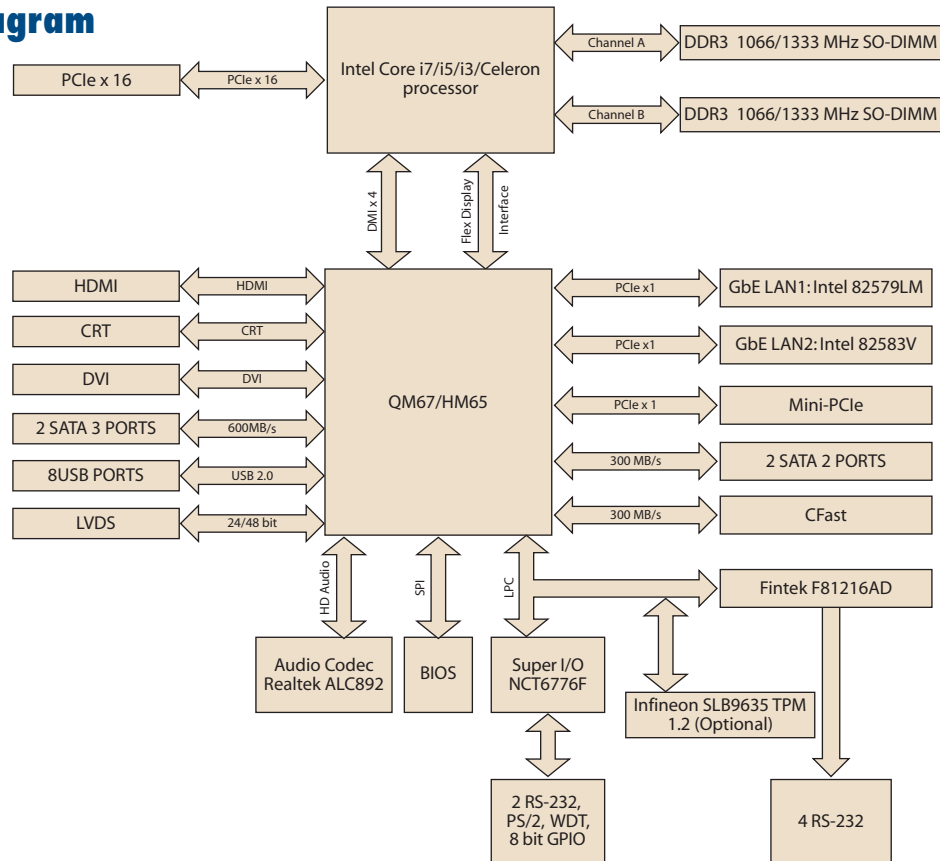
**Software APIs:**

**Utilities:**

## Specifications

Processor System	CPU	Intel Core i7-2710QE	Core i5-2510E	Core i3-2330E	Celeron B810
	Core Number	4	2	2	2
	Max Speed	2.1 GHz	2.5 GHz	2.2 GHz	1.6 GHz
	L3 Cache	6 MB	3 MB	3 MB	2 MB
	Chipset	QM67/HM65			
Expansion Slot	BIOS	AMI EFI 64 Mbit SPI			
	PCI	-			
Memory	Mini-PCIe	1			
	PCIe x16 (Gen2)	8 GB/s per direction, 1 slot			
	Technology	Dual Channel DDR3 1066/1333 MHz SDRAM			
Graphics	Max. Capacity	8 GB/4 GB per SO-DIMM			
	Socket	2x 204 PIN DDR3 SO-DIMM (Non-ECC)			
	Controller	Integrated Gfx Gen5.75, supports DirectX 10 and OpenGL 2.1			
Ethernet	VRAM	Shared system memory, 2 GB and above, total system memory shared 1 GB maximum video memory			
	CRT	Supports max. resolution 2048 x 1536			
	LVDS	Supports dual channel 48 bit up to 1920 x 1200			
	HDMI	Supports HDMI 1.4, 1650 Mbps/channel with 165 MHz			
	DVI	Yes, supports max resolution 1920 x 1200			
	Dual Display	CRT+LVDS, CRT+DVI, DVI+HDMI, LVDS+HDMI, CRT+HDMI, DVI+LVDS			
SATA	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Intel 82579LM, LAN2: Intel 82583V			
	Connector	RJ-45 x 2			
Rear I/O	Max Data Transfer Rate	600 MB/s (SATA 3.0)/ 300 MB/s (SATA 2.0)			
	Channel	2/2			
	VGA	1			
	HDMI	1			
	Ethernet	2			
	USB	4 (USB 2.0)			
	Audio	3 (Mic-in, Line-out, Line-in)			
	Serial	2 (RS-232)			
Internal Connector	PS/2	2 (1 x keyboard and 1 x mouse)			
	USB	4 (USB 2.0)			
	LVDS/inverter	1			
	DVI	1			
	Serial	4 (RS-232)			
	IDE	-			
	SATA	2 (SATA 3.0), 2 (SATA 2.0)			
	Mini-PCIe	1			
	Cfast	1			
	Parallel	-			
Watchdog Timer	IrDA	-			
	GPIO	8-bit			
	Output	System reset			
Power Requirements	Interval	Programmable 1 ~ 255 sec/min			
	Power On	Intel Core i7-2710QE 2.1 GHz, 8 GB DDR3 1333 MHz SDRAM			
	5 V	3.3 V	12 V	5 Vsb	-12 V
Environment	1.514 A	1.063 A	3.9 A	0.78 A	0.08 A
	Operating	Non-Operating			
Physical Characteristics	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution		-40 ~ 85° C (-40 ~ 185° F)	
	Dimensions	170 mm x 170 mm (6.69" x 6.69")			

## Block Diagram



## Ordering Information

Part Number	Chipset	CRT	DVI	LVDS	HDMI	GbE LAN	COM
AIMB-272G2-00A1E	QM67	Yes	Yes	Yes	Yes	2	6
AIMB-272VG-00A1E	HM65	Yes	Yes	No	Yes	1	6

## Packing List

Part Number	Description	Quantity
1700003194	SATA HDD cable	2
1703150102	SATA power cable	2
1960051292N001	CPU cooler	1
1700008876	1-to-4 serial ports cable kit, 35 cm	1
1960019192T100	I/O port bracket	1
2002027210	Startup manual	1
20660272000	Driver CD	1

## I/O View



AIMB-272G2-00A1E

## 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

## Optional Chassis

Part Number	Description
AIMB-B2000-15ZE	Mini-ITX chassis with 150W ATX power supply

## Embedded OS/API

OS/API	Part Number	Description
Win XPE	2070010799	XPE WES2009 AIMB-272 V4.0 ENG with Acronis
	2070011030	IMG WES09 AIMB-272 V4.0 ENG RUS ATIP
Software API	TBD	SUSI V3.0 SW API for AIMB-272 XP