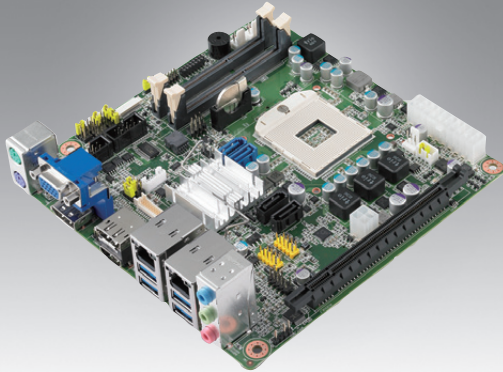


AIMB-273

**Intel® Core™ i7/i5/i3/Celeron uFC-PGA988
Mini-ITX with 2 DP/HDMI/LVDS/CRT,
2 COM, Dual LAN, PCIe x16**

NEW



iManager susiAccess

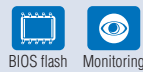
Features

- Supports Intel® Core™ i7/i5/i3 mobile processor (PGA) with Intel QM77 chipset
- Supports triple display of 2 DP, HDMI, LVDS, CRT
- Supports PCIe x16 (Gen 3) and mini PCIe
- Supports Intel vPro, AMT 8.0, PECI 3.0, Software RAID 0,1,5,10, TPM 1.2 (optional)
- Supports iManager, SUSIAccess and Embedded Software APIs

Software APIs:



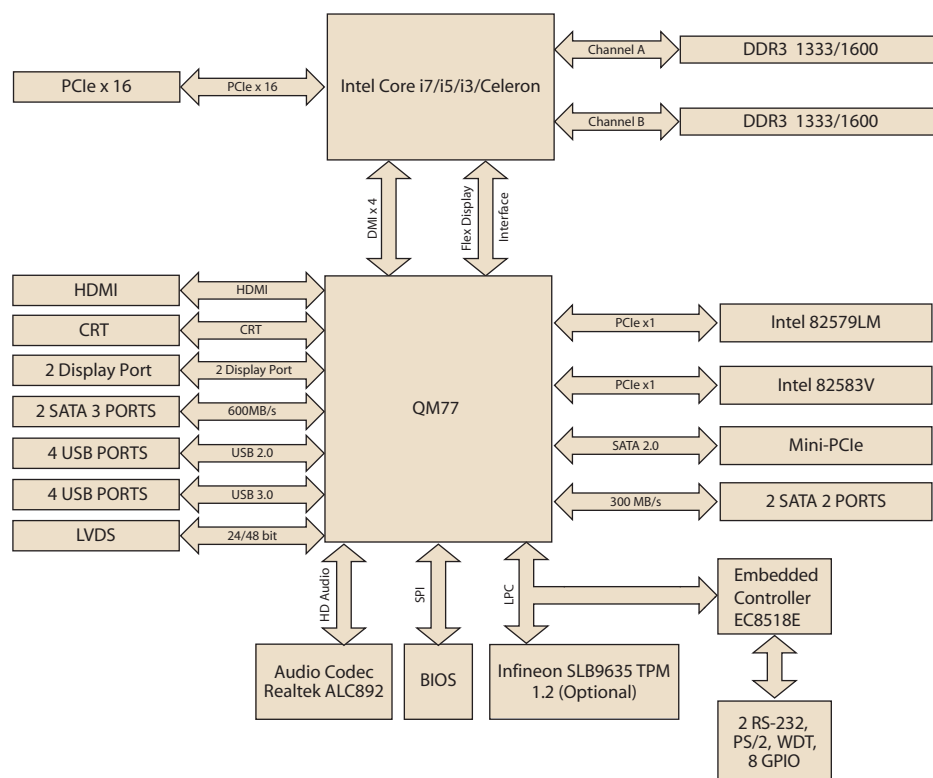
Utilities:



Specifications

Processor System	CPU	Intel Core i7-3610QE	Intel Core i7-2710QE	Core i5-3610ME	Core i5-2510E	Core i3-3120ME	Core i3-2330E	Celeron B810
	Core Number	4	4	2	2	2	2	2
	Max Speed	2.3 GHz	2.1 GHz	2.7GHz	2.5 GHz	2.4GHz	2.2 GHz	1.6 GHz
	L3 Cache	6 MB	6 MB	3MB	3 MB	3MB	3 MB	2 MB
	Chipset	QM77						
	BIOS	AMI EFI 64 Mbit SPI						
Expansion Slot	PCI	-						
	Mini-PCIe	1						
	PCIe x16 (Gen3)	16 GB/s per direction, 1 slot						
Memory	Technology	Dual Channel DDR3 1333/1600 MHz SDRAM						
	Max. Capacity	8 GB						
	Socket	2 x 204 PIN DDR3 SODIMM						
Graphics	Controller	Integrated Gfx Gen 7, supports DirectX11, OpenGL 3.1 and OpenCL 1.1						
	VRAM	Shared system memory, 2 GB and above, total system memory shared 1 GB maximum video memory						
	CRT	Yes, supports max. resolution 2048 x 1536						
	LVDS	Single channel 24-bit/dual channel 48-bit LVDS, supports max resolution 1920 x 1080						
	HDMI	Supports HDMI 1.4, 1650 Mbps/channel with 165 MHz						
	Triple Display	DP+LVDS+HDMI, DP+DP+HDMI, DP+DP+LVDS, DP+CRT+HDMI (The Celeron B810 processor doesn't support triple display)						
Ethernet	Interface	10/100/1000 Mbps						
	Controller	GbE LAN1: Intel 82579LM, LAN2: Intel 82583V						
	Connector	RJ-45 x 2						
SATA	Max Data Transfer Rate	600 MB/s (SATA 3.0)/ 300 MB/s (SATA 2.0)						
	Channel	2/2						
Rear I/O	CRT	1						
	HDMI	1						
	Display Port	2						
	Ethernet	2						
	USB	4 (USB 3.0 compliant)						
	Audio	3 (Mic-in, Line-out, Line-in)						
	Serial	-						
	PS/2	2 (1 x keyboard and 1 x mouse)						
Internal Connector	USB	4 (USB 2.0 compliant)						
	LVDS/inverter	1						
	Serial	2 (RS-232, COM2 with 5 V/12 V)						
	IDE	-						
	SATA	2 (STA 3.0), 2 (SATA 2.0)						
	Mini-PCIe	1						
	CFast	1						
	Parallel	-						
	IrDA	-						
Watchdog Timer	GPIO	8-bit						
	Output	System reset						
Power Requirements	Interval	Programmable 1 ~ 255 sec/min						
	Power On	Intel Core i7 -3610QE 2.30GHz processor/DDR3-1333MHz 4G x2/16G SQFlash						
		5 V	3.3 V	12 V		5 Vsb		-12 V
Environment		3.42 A	1.1 A	1.19 A		0.5 A		0.07A
	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")						

Block Diagram



Ordering Information

Part Number	Chipset	DP	CRT	LVDS	HDMI	GbE LAN	COM
AIMB-273G2-00A1F	OM77	2	1	1	1	2	2

Packing List

Part Number	Description	Quantity
1700003194	SATA HDD cable	2
1703150102	SATA power cable	2
1960051292N001	CPU cooler	1
1960019192T100	I/O port bracket	1
20060273010	Startup manual	1
20660273000	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

Embedded OS/API

OS/API	Description
Win XPE	XPE WES 2009
Software API	SI/SI V3.0

I/O View



AIMB-273G2-00A1E