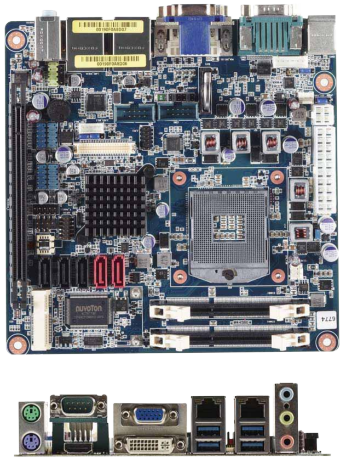
IMB-370

Advansus

Intel® QM77 with Intel Core™ i7/ i5/ i3 Mini-ITX Motherboard

Mini-ITX Motherboard



Features

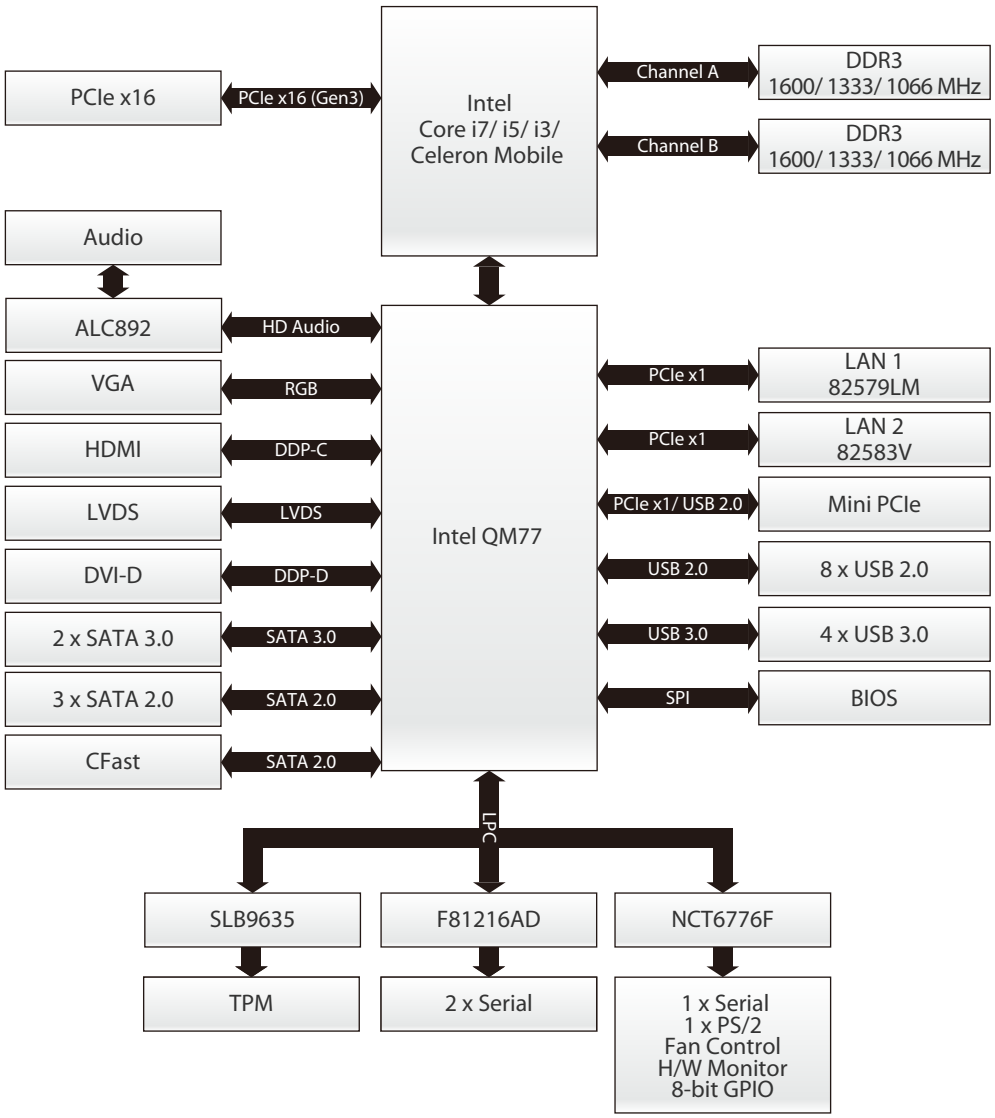
- Supports the 3rd Generation Intel Core i7/ i5/ i3 and Celeron® Mobile Processor family
- Supports dual independent display configuration by multiple display interface : VGA, HDMI, DVI-D and LVDS
- Supports DirectX 11, OpenGL 3.1, OpenCL 1.1 and outstanding 3D graphics performnace
- Supports dual LANs and Intel AMT 8.0 proactive security and manageability function
- Supports 1 x PCIe x16, 1 x Mini PCIe and 1 x CFast expansion slots

Specifications

Processor	
CPU	Intel Core i7/ i5/ i3/ Celeron processor
Socket	uPGA988
Max. Speed	Up to 2.7 GHz
Cache	Up to 8MB
BIOS	AMI 64Mb SPI ROM
Memory	
Technology	Single channel DDR3 1600/ 1333/ 1066 MHz SDRAM (Non-ECC)
Max. Capacity	8GB per socket
Socket	2 x 204-pin SO-DIMM
Graphics	
Controller	Integrated Intel HD Graphics engine
VRAM	Shared memory up to 256MB
VGA	Up to 2048 x 1536 (@75Hz)
DVI-D	Up to 1920 x 1200
HDMI	Up to 1920 x 1080
LVDS	Up to 1920 x 1200 (@60Hz)
Dual Display	VGA+HDMI, VGA+DVI-D, VGA+LVDS, HDMI+DVI-D, HDMI+LVDS, DVI-D+LVDS
Ethernet	
Interface	10/100/1000 Mbps
LAN 1 Controller	Intel 82579LM GbE LAN w/ iAMT 8.0
LAN 2 Controller	Intel 82583V GbE LAN
Connector	2 x RJ-45
Expansion Slot	
Mini PCIe	1 for full-length
PCIe x16 (Gen3)	1 (16GB/s per direction)
Storage	
SATA 3.0	2 (600MB/s per port)
SATA 2.0	3 (300MB/s per port)
Audio	
Codec	Realtek ALC892
Connector	Line-in, Line-out, Mic-in

Rear I/O Connector	
VGA	1
DVI-D	1
HDMI	1
RJ-45	2
USB 3.0	4
Serial	1 x RS-232
Audio	3 (Line-in, Line-out, Mic-in)
PS/2	2
Internal Connector	
USB 2.0	4 for 8 x USB 2.0 port
Serial	2 x RS-232
SATA 3.0	2
SATA 2.0	3
Mini PCIe	1
CFast	1
CPU Fan	1
System Fan	1
Front Audio	1
Front Panel	1
S/PDIF Out	1
GPIO	1 (8-bit)
PS/2	1
LVDS	1
LVDS Backlight	1
Watchdog Timer	
Output	System reset
Interval	Programmable 1-255 sec/min
Power	
Power Requirement	+12V (22A) +5V (20A) +3.3V (12A) -12V (0.1A) 5VSB (2A)
Power Type	ATX Mode (supports AT Mode)
Power Connector	1 x 20-pin ATX, 1 x 4-pin ATX 12V
Environment	
Operation Temperature	0 ~ 60° C (32 ~ 140° F)
Non-Operation Temperature	-40 ~ 85° C (-40 ~ 185° F)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
Physical Characteristics	
Dimensions	170mm x 170mm (6.69" x 6.69")
Weight	0.35 Kg

Block Diagram



Ordering Information

Part Number	Chipset	VGA	DVI-D	HDMI	LVDS	LAN	USB	Serial
IMB-37000-AJA1E	QM77	1	1	1	1	2	12	3

Packing List

Description	Qty
I/O shield	1
Startup manual	1 (per 20 units)
Driver CD	1 (per 20 units)
CPU cooler	1

Optional Accessories

Part Number	Description
1700020939-01	SATA 3.0 cable, 46cm, 90degree
1700020946-01	SATA 3.0 cable, 46cm, 180degree
1700020942-01	Serial cable, 26cm

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