IMB-680

Advansus

Intel® H81 with Intel Core™ i7/ i5/ i3 Micro-ATX Motherboard

Micro-ATX Motherboard





Features

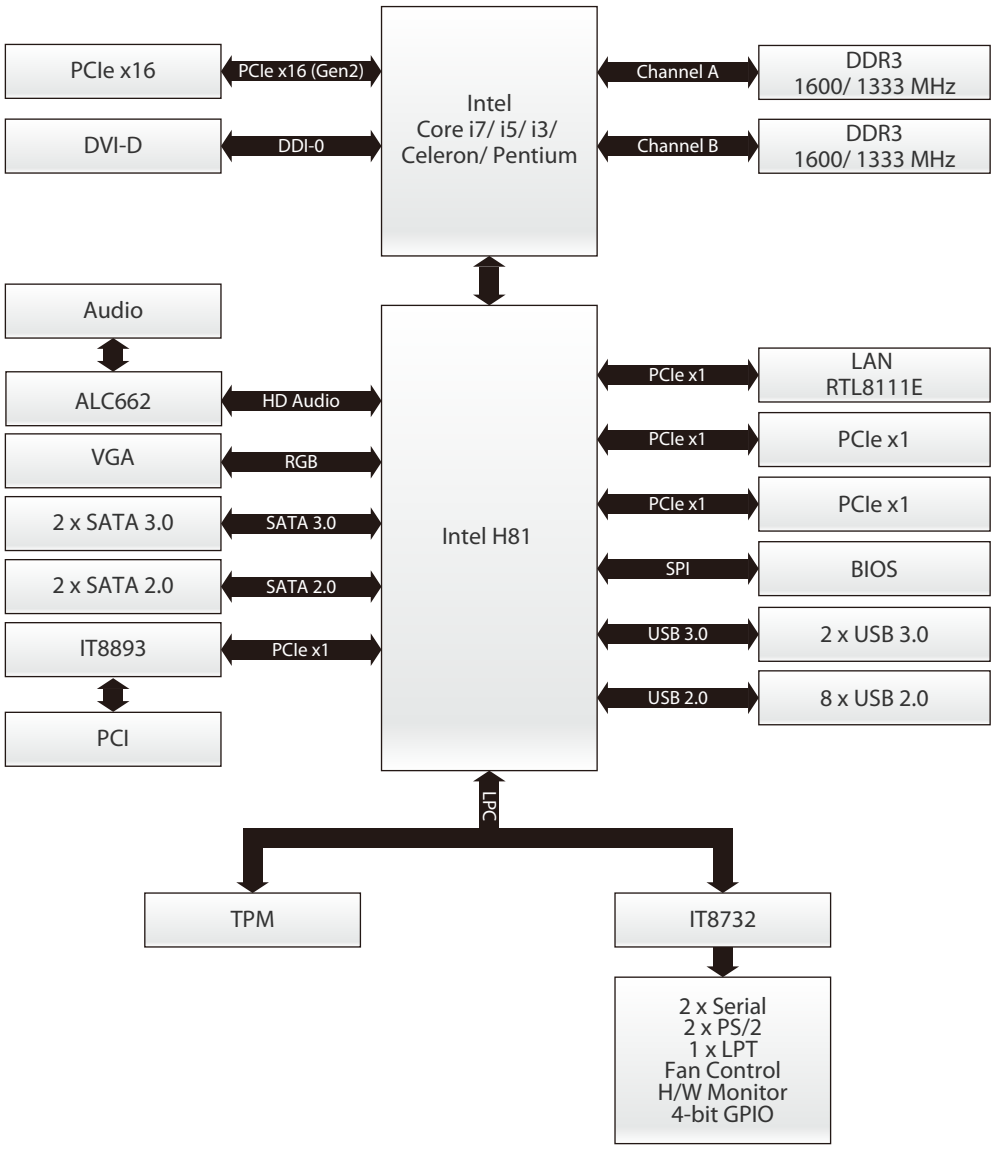
- Intel LGA1150 Socket supports the 4th Generation Intel Core i7/ i5/ i3, Celeron® and Pentium® processor family
- Supports VGA + DVI-D dual independent display configuration
- Integrated Intel HD Graphics engine supports DirectX 11.1, OpenGL 4.x, OpenCL 1.2 and outstanding 3D graphics performance
- Supports 3 x PCIe and 1 x PCI expansion slots

Specifications

Processor	
CPU	Intel Core i7/ i5/ i3/ Celeron/ Pentium processor
Socket	LGA1150
Max. Speed	Up to 3.9GHz
Cache	Up to 8MB
BIOS	AMI EFI 64Mbit SPI
Memory	
Technology	Single channel DDR3 1600/ 1333 MHz SDRAM (Non-ECC)
Max. Capacity	8GB per socket
Socket	2 x 240-pin DIMM
Graphics	
Controller	Integrated Intel HD Graphics engine
VRAM	Shared memory up to 256MB
VGA	Up to SXGA 1920 x 1200 (@60Hz)
DVI-D	Up to 1920 x 1200 (@60Hz)
Dual Display	VGA + DVI-D
Ethernet	
Interface	10/100/1000 Mbps
LAN Controller	Realtek RTL8111E GbE LAN
Connector	1 x RJ-45
Expansion Slot	
PCIe x1 (Gen2)	2 (500MB/s per direction)
PCIe x16 (Gen2)	1 (8GB/s per direction)
PCI	1 (32-bit/33MHz)
Storage	
SATA 3.0	2 (600MB/s per port)
SATA 2.0	2 (300MB/s per port)
Audio	
Codec	Realtek ALC662
Connector	Line-in, Line-out, Mic-in

Rear I/O Connector	
VGA	1
DVI-D	1
RJ-45	1
USB 2.0	4
Serial	1 x RS-232
Audio	3 (Line-in, Line-out, Mic-in)
PS/2	2
Internal Connector	
USB 3.0	1 for 2 x USB 3.0 port
USB 2.0	2 for 4 x USB 2.0 port
Serial	1 x RS-232
SATA 3.0	2
SATA 2.0	2
TPM	1
CPU Fan	1
System Fan	1
Front Audio	1
Front Panel	1
GPIO	1 (4-bit)
LPT	1
Watchdog Timer	
Output	System reset
Interval	Programmable 1-255 sec/min
Power	
Power Requirement	+12V (22A) +5V (20A) +3.3V (15A) -12V (2A) 5VSB (0.1A)
Power Type	ATX Mode (supports AT Mode)
Power Connector	1 x 24-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	244mm x 229mm (9.6" x 9")
Weight	0.5 Kg

Block Diagram



Ordering Information

Part Number	Chipset	VGA	DVI-D	LAN	PCIe x16	PCIe x1	USB	Serial
IMB-68000-00A1E	H81	1	1	1	1	4	10	2

Packing List

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

Optional Accessories

Part Number	Description
1700003195	USB2.0 cable for 1-to-2 ports, 17.5cm
1700020942-01	Serial cable, 26cm
1700008809	Printer cable w/ bracket, 25cm
1700003194	SATA2.0 cable, 60cm, 180degree

* The product information and specifications are subject to change without prior notice.
* All the rights of above logos and trademarks belong to their representative owners.