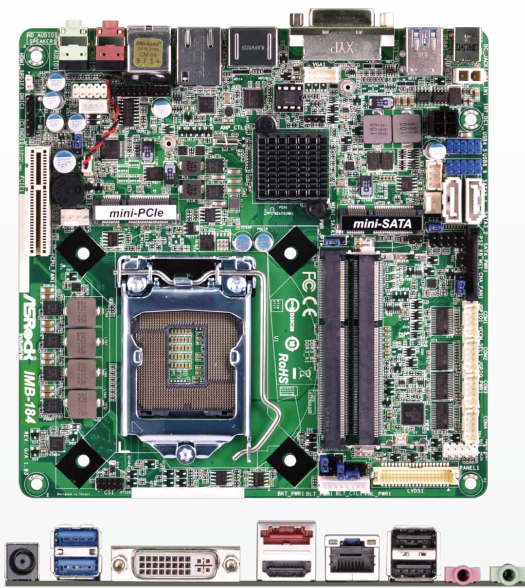


# IMB-184

## Mini-ITX Motherboard



### Spotlight Features

- Socket LGA1150 for Intel Core i7/i5/i3/Celeron (Haswell)
- Intel® Q87 Chipset
- Integrated Intel® HD Graphics Built-in Visuals
- Supports DDR3 1600MHz, 2 x SO-DIMM, up to 16GB system memory
- 1 x COM (RS-232/422/485), 3 x COM (RS-232)
- 1 x DVI, 1 x HDMI, 1 x 24 bit Dual Channel LVDS
- 2 x USB 3.0, 6 x USB 2.0, 2 x SATA3
- 1 x mini-PCIe, 1x mSATA, 1 x PCIE (x4)
- IMB-184 : 1 x Intel I217LM (with v-Pro support)
- 1 x TPM Header

### Specifications

Processor System	
Dimension	Mini-ITX (6.7-in x 6.7-in)
CPU	Socket LGA1150 for Intel Core i7/i5/i3/Celeron (Haswell)
Core Number	(By CPU Max 4)
Max Speed	(By CPU)
L3 Cache	(By CPU)
Chipset	Q87
BIOS	UEFI
Expansion Slot	
PCI	0
Mini-PCIe	1 (Half Size + USB 2.0)
mSATA	1
PCIe	1 (x4)
CFast Card Socket	0
Memory	
Technology	Dual Channel DDR3 1066/1333/1600 MHz SDRAM
Max.	16GB
Socket	2 x SO-DIMM
Graphics	
Controller	Intel HD Graphics (By CPU)
VRAM	Shared Memory
VGA	Internal header ( share with DVI)
LVDS	1
HDMI	Supports HDMI 1.4a, supported with Level Shifter, resolution up to 4096x2304 (1x HDMI)
DVI	Supports max resolution 1920 x 1200
Display Port	0
Multi Display	Yes ( three display)
Ethernet	
Interface	10/100/1000 Mbps
Controller	Intel I217LM
Connector	1 x RJ 45
SATA	
Max Data Transfer Rate	SATA3 (6.0Gb/s)

Rear I/O	
VGA	0
HDMI	1
DVI-I/D	1 (DVI-I)
Display Port	0
Ethernet	1
USB	2 x USB 3.0 + 2 x USB2.0 compliant
Audio	Mic-in Line- out
Serial	0
e-SATA	1
PS/2	0

Internal Connector	
USB	4 (2 x USB Header 2.54mm pitch)
LVDS/Inverter	24 bit dual channel LVDS
VGA	1
Serial	4 ( 1 RS-232/422/485, 3 RS-232)
SATA	2 x SATA3 (6.0Gb/s)
m-SATA	1
Mini-PCIe	1
Parallel	0
IrDA	0
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	1
Speaker Header	1

Watchdog Timer	
Output	Output from super I/O to drag RESETCON#
Interval	256 Segments, 0,1,2...255 Sec/Min

Power Requirements	
Input PWR	DC 12-19 input
Power On	AT/ATX Supported AT : Directly PWR on as power input ready ATX : Press button to PWR on after power input ready

Environment	
Operating Temperature	0°C – 60°C