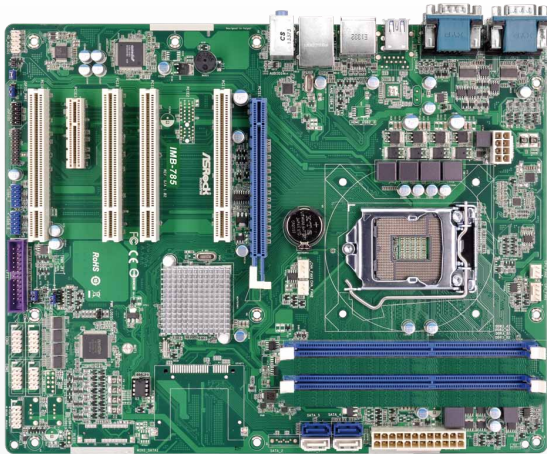


# IMB-785

## ATX Motherboard



### Spotlight Features

- Socket LGA1150 for Intel Core i7/i5/i3/Celeron (Haswell)
- Intel® H81 Chipset
- Integrated Intel® HD Graphics Built-in Visuals
- Supports DDR3 1600MHz, 2 x Long-DIMM, up to 16GB system memory
- 2 x COM (RS-232/422/485), 4 x COM (RS-232)
- 1 x D-Sub, 1 x HDMI, 1 x DisplayPort
- 2 x USB 3.0, 8 x USB 2.0, 2 x SATA3, 2 x SATA2
- 4 x PCI, 2 x PCIe (x16/x4)
- Gigabit LAN : 1 x Intel I217V
- 1 x TPM Header

### Specifications

#### Processor System

Dimension	ATX (9.6-in x 12-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	H81
BIOS	UEFI

#### Expansion Slot

PCI	4
Mini-PCIe	0
mSATA	0
PCIe	1 (x16)+1 (x4)
CFAST Card Socket	0

#### Memory

Technology	Dual Channel DDR3 1066/1333/1600 MHz SDRAM
Max.	16GB
Socket	2 x Long-DIMM

#### Graphics

Controller	Intel HD Graphics (By CPU)
VRAM	Shared Memory
VGA	Supports max resolution 2048 x 1536
LVDS	0
HDMI	Supports HDMI 1.4a, max resolution 1920 x 1200
DVI	No
Display Port	Supports max resolution 2560 x 1600
Multi Display	Yes (Dual Display)

#### Ethernet

Interface	10/100/1000 Mbps
Controller	LAN: Intel I217V (without v-Pro support)
Connector	1 x RJ-45

#### SATA

Max Data Transfer Rate	SATA2 (3.0Gb/S), SATA3 (6.0Gb/S)
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#### Rear I/O

VGA	1
HDMI	1
DVI-I/D	0
Display Port	1
Ethernet	1
USB	6 (2 x USB 3.0 compliant, 4 x USB 2.0 compliant)
Audio	3 (Mic-In, Line-Out, Line-In)
Serial	2 (RS-232/422/485)
PS/2	1 (Combo)

#### Internal Connector

USB	4 (2 x USB Header 2.54mm pitch, )
LVDS/Inverter	0
VGA	0
Serial	4 (RS-232)
SATA	4 x (2* SATA3, 2* SATA2)
m-SATA	1
Mini-PCIe	0
Parallel	1
IrDA	0
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	0
Speaker Header	0

#### Watchdog Timer

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

#### Power Requirements

Input PWR	ATX PWR (8 + 24)
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
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