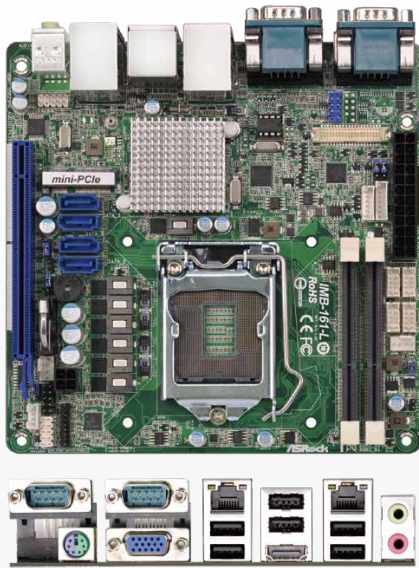




# IMB-161-L

Mini-ITX Motherboard

## Spotlight Features

- Socket LGA1155 for Intel Core i7/i5/i3/Celeron (Ivy Bridge and Sandy Bridge)
- Intel® H61 Chipset
- Integrated Intel® HD Graphics Built-in Visuals
- Supports DDR3 1600MHz, 2 x SO-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 Dual Channel 24-bit LVDS
- 8 x USB 2.0, 4 x SATA2
- 1 x PCIe x16, 1 x mini-PCIe
- Gigabit LAN : 1 x Intel 82579V, 1 x Intel 82583V
- 1 x TPM Header

## Specifications

| Processor System |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Dimension        | Mini-ITX (6.7-in x 6.7-in)                                                   |
| CPU              | Socket LGA1155 for Intel Core i7/i5/i3/Celeron (Sandy Bridge and Ivy Bridge) |
| Core Number      | (By CPU, Max 4)                                                              |
| Max Speed        | (By CPU)                                                                     |
| L3 Cache         | (By CPU)                                                                     |
| Chipset          | H61                                                                          |
| BIOS             | UEFI                                                                         |

| Expansion Slot    |                                                |
|-------------------|------------------------------------------------|
| PCI               | N/A                                            |
| Mini-PCIe         | 1 x half size with PCIe x1 and USB 2.0         |
| mSATA             | N/A                                            |
| PCIe              | 1 (x16) (IVY Bridge: Gen3; Sandy Bridge: Gen2) |
| CFast Card Socket | N/A                                            |

| 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           | Supports max resolution 2048 x 1536                   |
| LVDS          | Dual Channel 24-bit, support max resolution 1920x1200 |
| HDMI          | Supports HDMI 1.4a, max resolution 1920x1200          |
| DVI           | No                                                    |
| Display Port  | No                                                    |
| Multi Display | Yes (Dual Display)                                    |

| Ethernet   |                                            |
|------------|--------------------------------------------|
| Interface  | 10/100/1000 Mbps                           |
| Controller | GbE LAN1: Intel 82583V, LAN2: Intel 82579V |
| Connector  | RJ-45 x 2 w/ LED                           |

| SATA                   |                     |
|------------------------|---------------------|
| Max Data Transfer Rate | 4 x SATA2 (3.0Gb/s) |

| Rear I/O     |                       |
|--------------|-----------------------|
| VGA          | 1                     |
| HDMI         | 1                     |
| DVI-I/D      | 0                     |
| Display Port | 0                     |
| Ethernet     | 2                     |
| USB          | 6 (USB 2.0 compliant) |
| Audio        | 2 (Mic-in, Line-out)  |
| Serial       | 2 (RS-232/422/485)    |
| PS/2         | 1 (Combo)             |

| Internal Connector  |                       |
|---------------------|-----------------------|
| USB                 | 2 (USB 2.0 compliant) |
| LVDS/Inverter       | 1/1                   |
| VGA                 | 0                     |
| Serial              | 4 (RS-232)            |
| SATA                | 4 x SATA2 (3.0Gb/s)   |
| m-SATA              | 0                     |
| Mini-PCIe           | 1                     |
| Parallel            | 0                     |
| IrDA                | 0                     |
| GPIO                | 4 x GPI + 4 x GPO     |
| SATA PWR Output Con | 0                     |
| Speaker Header      | 1                     |

| Watchdog Timer |                                         |
|----------------|-----------------------------------------|
| Output         | Output from super I/O to drag RESETCON# |
| Interval       | 256 segments, 0,1,2...255sec/min        |

| Power Requirements |                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------|
| Input PWR          | ATX PWR (24+4 pin)                                                                                                   |
| Power On           | AT/ATX Supported<br>AT : Directly PWR on as Power input ready<br>ATX: Press Button to PWR on after Power input ready |

| Environment           |            |
|-----------------------|------------|
| Operating Temperature | 0°C – 60°C |

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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