



# IMB-152

Mini-ITX Motherboard

## Spotlight Features

- Intel® Baytrail SoC Processor  
-IMB-152D (J1900)
- Integrated Intel® Gen7 Intel Graphics DX 11\*, OGL3.2
- Supports Single Channel DDR3L 1333 SO-DIMM, up to 8GB
- 1 x HDMI, 1 x D-Sub, 1 x Dual Channel 24-bit LVDS
- 4 xUSB 3.0, 6 x USB 2.0, 2 x SATA2
- 1 x mini-PCIe, 1 x PCIe x1 slot
- Gigabit LAN : 1 x Realtek Lan
- 1 x TPM Header
- 12 V DC-in

## Specifications

### Processor System

Dimension	Mini-ITX (6.7-in x 6.7-in)
CPU	Intel® Baytrail SoC Processor IMB-152D (J1900, QC, 2.00GHz, 10W)
Core Number	(By CPU, Max 4)
Max Speed	(By CPU)
L2 Cache	(By CPU)
Chipset	(By CPU)
BIOS	UEFI

### Expansion Slot

PCI	0
Mini-PCIe	1 (Half Size)
mSATA	0
PCIe	1 (x1)
CFast Card Socket	0

### Memory

Technology	Single Channel DDR3L 1333 MHz SDRAM
Max.	8GB
Socket	1 x SO-DIMM

### Graphics

Controller	Intel® Gen7 Intel Graphics DX 11*, OGL3.2
VRAM	Shared Memory
VGA	Supports max. resolution 1920 x 1200
LVDS	Dual channel 24-bit, max resolution 1920 x 1200@60Hz
HDMI	Supports HDMI 1.4a, max resolution 1920x1200
DVI	No
Display Port	No
Multi Display	Yes (Dual Display)

### Ethernet

Controller/ Speed	10/100/1000 Mbps
Connector	1 x Realtek RTL8111G/RTL8111H-CG

### SATA

Max Data Transfer Rate	SATA2 (3.0Gb/s)
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### Rear I/O

VGA	1
HDMI	1(Pin Header)
DVI-I/D	0
Display Port	0
Ethernet	1 Optional 2
USB	4 x USB 3.0
Audio	2 (Mic-in, Line-out)
Serial	3 x RS-232
e-SATA	
PS/2	2 (1 x keyboard and 1 x mouse)

### Internal Connector

USB	6 ( 3*2.54 pitch header USB 2.0 compliant)
LVDS/Inverter	1/1
VGA	0
Serial	3 (RS-232)
SATA	2 x SATA2 (3.0Gb/s)
m-SATA	0
Mini-PCIe	1
Parallel	1
IrDA	0
GPIO	4 x GPI + 4 x GPO Share with COM 5
SATA PWR Output Con	1
Speaker Header	1

### Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 segments, 0,1,2...255sec/min

### Power Requirements

Input PWR	12V DC-In (4-pin ATX PWR Con)
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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