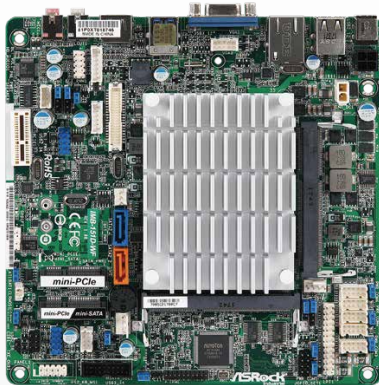




# IMB-151D-WF

Mini-ITX Motherboard

## Key Features

- Intel® Baytrail SoC Processor J1900
- Supports Dual Channel DDR3L SO-DIMM 1333MHz, up to 8GB
- 1 x HDMI, 1 x VGA, 1 x LVDS
- 4 x USB3.0 & 6 x USB2.0 & 2 x SATA2
- 1 x Mini-PCIe, 1 x PCIe x1, 1 x mSATA
- 1 x Realtek LAN
- 1 x TPM Header
- 12~19 V DC-in

## Specifications

### Processor System

|            |                                                            |
|------------|------------------------------------------------------------|
| Dimensions | Mini-ITX (6.7-in x 6.7-in)                                 |
| CPU        | Intel® Baytrail SoC Processor<br>J1900, QC, 2.00 GHz, 10 W |
| Chipset    | SoC                                                        |

### Expansion Slot

|                  |                                               |
|------------------|-----------------------------------------------|
| PCIe             | 1 x PCIe x1                                   |
| Mini-PCIe        | 1 x half size with PCIe x1 and USB 2.0        |
| M.2              | N/A                                           |
| mini-PCIe/ mSATA | 1 x full size with PCIe x1, SATA2 and USB 2.0 |

### Memory

|            |                             |
|------------|-----------------------------|
| Technology | Dual Channel DDR3L 1333 MHz |
| Max        | 8GB                         |
| Socket     | 2 x SO-DIMM                 |

### Graphics

|               |                                                |
|---------------|------------------------------------------------|
| Controller    | Intel® Gen7 Intel Graphics DX 11*, OGL3.2      |
| VGA           | Supports max resolution up to 1920 x 1200      |
| LVDS          | Supports max resolution up to 1920 x 1200@60Hz |
| eDP           | N/A                                            |
| HDMI          | Supports max resolution up to 1920x1200        |
| DVI           | N/A                                            |
| DisplayPort   | N/A                                            |
| Multi Display | Dual Display                                   |

### Ethernet

|            |                                  |
|------------|----------------------------------|
| Interface  | 10/100/1000 Mbps                 |
| Controller | 1 x Realtek RTL8111G/RTL8111H-CG |

### Rear I/O

|             |                          |
|-------------|--------------------------|
| VGA         | 1                        |
| DVI         | N/A                      |
| HDMI        | 1                        |
| DisplayPort | N/A                      |
| Ethernet    | 1                        |
| USB         | 2 x USB 3.0, 2 x USB 2.0 |
| Audio Jack  | 2 (Mic-in, Line-out)     |
| Serial      | N/A                      |
| PS/2        | N/A                      |

### Internal Connector

|                     |                                            |
|---------------------|--------------------------------------------|
| USB                 | 2 x USB 3.0, 4 x USB 2.0                   |
| LVDS                | 1                                          |
| eDP                 | N/A                                        |
| VGA                 | 1                                          |
| Serial              | 4 x COM (RS-232), 1 x COM (RS-232/422/485) |
| SATA                | 2 x SATA2                                  |
| Parallel            | 1                                          |
| GPIO                | 4 x GPI + 4 x GPO                          |
| SATA PWR Output Con | 1                                          |
| Speaker Header      | 1                                          |
| TPM                 | 1 x Header                                 |

### Watchdog Timer

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

### Power Requirements

|           |                                                                                                                     |
|-----------|---------------------------------------------------------------------------------------------------------------------|
| Input PWR | 12~19V DC-In (2-pin PWR Con)                                                                                        |
| 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   |
| Storage Temperature   | -40°C – 85°C |

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### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660