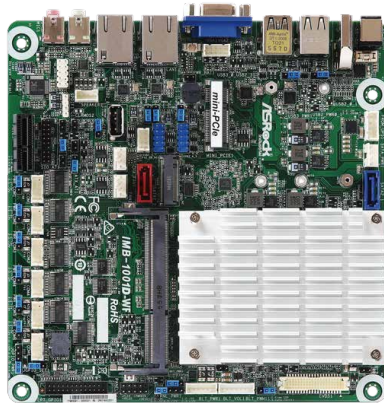




IMB-1001D-WF

Mini-ITX Motherboard



KEY FEATURES

- Intel® Baytrail SoC Processor J1900
- 1 x 204-pin SO-DIMM up to 8GB DDR3L 1333MHz
- 1 x PCIe x1 (Gen2), 1 x USB 3.1 Gen1, 8 x USB 2.0, 1 x mini-PCIe, 1 x M.2 Key M, 6 x COM, 2 x SATA2
- 2 x Realtek 1 Gigabit LAN
- Supports dual display, 1 x HDMI 1.4a, 1 x VGA, 1 x LVDS
- TPM Header
- 12V DC-In

SPECIFICATIONS

Form Factor

| | |
|------------|----------------------------|
| Dimensions | Mini-ITX (6.7-in x 6.7-in) |
|------------|----------------------------|

Processor System

| | |
|---------|-------------------------------------|
| CPU | Intel® Baytrail SoC Processor J1900 |
| | J1900, QC, 2.00GHz, 10W |
| Chipset | SoC |
| Socket | N/A |
| BIOS | AMI SPI 64 Mbit |

Memory

| | |
|------------|-------------------------------|
| Technology | Single Channel DDR3L 1333 MHz |
| Capacity | 8GB |
| Socket | 1 x 204-pin SO-DIMM |

Graphics

| | |
|--------------|--|
| Controller | Intel® Gen7 Graphics DX 11 |
| HDMI | HDMI 1.4a Max resolution up to 4096x2160@24Hz |
| DisplayPort | N/A |
| VGA | Max resolution up to 1920x1200@60Hz |
| LVDS | Dual channel 24 bit up to 1920x1200@60Hz |
| eDP | N/A |
| DVI | N/A |
| MultiDisplay | Dual Display |

Expansion Slot

| | |
|-----------|---|
| PCIe | 1 x PCIe x1 (Gen2) |
| PCI | N/A |
| mini-PCIe | 1 x Full/Half size with PCIe x1 and USB 2.0 |
| M.2 | N/A |

Audio

| | |
|-----------|---|
| Interface | Realtek ALC887, High Definition Audio. Line-out, Mic-in |
|-----------|---|

Ethernet

| | |
|-------------------|--|
| Controller/ Speed | LAN1: 1 x Realtek RTL8111G/RTL8111H-CG with 10/100/1000 Mbps LAN2: 1 x Realtek RTL8111G/RTL8111H-CG with 10/100/1000 Mbps |
| Connector | 2 x RJ-45 |

Rear I/O

| | |
|-------------|---------------------------------|
| HDMI | 1 x HDMI 1.4a |
| DisplayPort | N/A |
| VGA | 1 (shared with internal VGA) |
| DVI | N/A |
| Ethernet | 2 x 1 Gigabit LAN |
| USB | 1 x USB 3.1 (Gen1), 3 x USB 2.0 |
| Audio | 2 (Mic-in, Line-out) |
| COM | N/A |
| PS2 | N/A |

Internal Connector

| | |
|-----------------|--|
| USB | 5 x USB 2.0 (2 x 2.54 pitch header, 1 x USB 2.0 Type-A vertical con) |
| COM | COM1, 2, 4, 5, 6(RS-232), COM3 (RS-232/422/485) |
| Parallel | 1 (shared with GPIO) |
| GPIO | 8 x GPI, 8 x GPO (shared with LPT header) |
| TPM | TPM Header |
| LVDS | 1 |
| eDP | N/A |
| VGA | 1 x Header (shared with VGA port) |
| SATA PWR Output | 1 |
| Speaker Header | 1 |

Storage

| | |
|-------|--|
| M.2 | 1x M.2 (Key M, 2242/2260/2280) with shared SATA2 for SSD |
| mSATA | N/A |
| SATA | 2 x SATA2 (3Gb/s), SATA2_2 shared with M.2 Key M |
| eMMC | N/A |

Watchdog Timer

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

Power Requirements

| | |
|-----------|---|
| Input PWR | 12V DC-In (DC Jack) |
| 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 Temp | 0°C ~ 60°C |
| Storage Temp | -40° C ~ 85° C |
| Operating Humidity | 5% ~ 90% |
| Storage Humidity | 5% ~ 90% |

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