

IMB-1001D

Mini-ITX Motherboard



Spotlight Features

- Intel® Celeron® Processor J1900
- Supports Single Channel DDR3L SO-DIMM 1333, up to 8GB
- 1 x Dual Channel 24-bit LVDS, 1 x VGA, 1 x HDMI
- 1 x USB 3.1, 8 x USB 2.0, 2 x SATA2, 6 x COM
- 1 x PCIe x1, 1 x mini-PCIe, 1 x M.2 Key M
- 2 x Realtek LAN
- 12V DC-in (DC Jack / 4-pin DC-in PWR Con)

Specifications

Processor System

Dimensions	Mini-ITX (6.7-in x 6.7-in)
CPU	Intel® Celeron® Processor J1900, QC, 2.00GHz, 10W
Chipset	SoC

Expansion Slot

PCIe	1x PCIe x1
mini-PCIe	1 x Full/Half size with PCIe x1 and USB 2.0
M.2	1x M.2 (Key M, 2242/2260/2280) with shared SATA2 for SSD

Memory

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

Graphics

Controller	Integrated Intel® Gen7 Intel® Graphics DX 11*, OGL3.2
VGA	Supports max resolution up to 1920x1200@60Hz
DVI	N/A
LVDS	Dual Channel 24-bit, max resolution up to 1920x1200@60Hz
HDMI	Supports max resolution up to 1920x1200
DisplayPort	N/A
Multi Display	Dual Display

Ethernet

Interface	10/100/1000 Mbps
Controller	2 x Realtek RTL8111G

Watchdog Timer

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

Rear I/O

VGA	1
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	2
USB	3 x USB 2.0, 1 x USB3.1
Audio Jack	2 (Mic-in. Line-out)
Serial	N/A
PS/2	N/A

Internal Connector

USB	5 x USB 2.0 (2x header, 1x TypeA)
LVDS	1
eDP	N/A
VGA	1
Serial	5 x COM (RS-232), 1 x COM (RS-232/422/485)
SATA	2 x SATA2, one is shared with M.2 Key M
Parallel	1 (shared with GPIO)
GPIO	8 x GPI, 8 x GPO
SATA PWR Output Con	1
Speaker Header	1
TPM	1 x Header

Power Requirements

Input PWR	12V DC-in (DC Jack / 4-pin DC-in 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
Storage Temperature	-40°C – 85°C