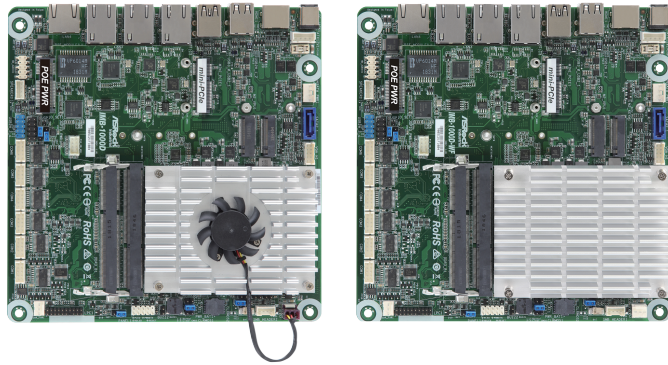




Preliminary



IMB-1000D

IMB-1000D-WF



IMB-1000D/IMB-1000D-WF

Mini-ITX Motherboard

Key Features

- Intel® Celeron® Processor J1900
- Supports Dual Channel DDR3L SO-DIMM 1333MHz, up to 8GB
- 1 x HDMI, 1 x VGA Header
- 1 x USB 3.1, 5 x USB 2.0, 1 x SATA2, 6 x COM
- 1 x Mini-PCIe, 2 x M.2 Key M
- 2 x Intel LAN, 2 x Realtek LAN
- 1 x TPM header
- 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	N/A
Mini-PCIe	1 x Full/Half mini-PCIe with PCIe x1 and shared USB 2.0
M.2	1x M.2 (Key M, 2242/2260/2280) with SATA2 for SSD 1 x M.2 (Key M, 2260) with PCIe x1

Memory

Technology	Dual Channel DDR3L 1333 MHz
Max	8 GB
Socket	2 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	N/A
HDMI	Supports max resolution up to 1920x1200@60Hz
DisplayPort	N/A
Multi Display	Dual Display

Ethernet

Interface	10/100/1000 Mbps
Controller	2 x I210IT, 2 x Realtek RT81119I
POE Support	LAN4 Support 15W/30W with POE Module

Watchdog Timer

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

Rear I/O

VGA	N/A
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	4
USB	1 x USB 3.1, 3 x USB 2.0
Audio Jack	N/A
Serial	N/A
PS/2	N/A

Internal Connector

USB	2 x USB 2.0
LVDS	N/A
eDP	N/A
VGA	1 x Header
Serial	2 x COM(RS232/422/485), 4 x COM(RS-232)
SATA	1 x SATA2 (3.0Gb/s)
Parallel	N/A
GPIO	4 x GPI, 4 x GPO
SATA PWR Output Con	1
Speaker Header	1
TPM	TPM 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

Temperature	0°C – 60°C
Storage Temperature	-40°C – 85°C