



IMB-151D

Mini-ITX Motherboard

Spotlight Features

- Intel® Baytrail SoC Processor J1900
- Supports Dual Channel DDR3L SO-DIMM 1333, 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 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 USB2.0
M.2	N/A
mini-PCIe/ mSATA	1 x full size with PCIe x1, SATA2 and USB2.0

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/min

Power Requirements

Input PWR	12~19V DC-In (2-pin 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

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

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

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