



IMB-153

Mini-ITX Motherboard

Spotlight Features

- Intel® Baytrail SoC Processor
-IMB-153D (J1900)
- Integrated Intel® Gen7 Intel Graphics DX 11*, OGL3.2
- Supports Dual Channel DDR3 1066/1333MHz, 2 x SO-DIMM, up to 8GB system memory
- 1 x HDMI, 1 x D-Sub,
- 1 xUSB 3.0, 5 x USB 2.0, 2 x SATA2
- 1 x PCIe x1
- Gigabit LAN : 1 x Realtek Lan
- ATX Power connector

Specifications

Processor System

Dimension	Mini-ITX (6.7-in x 6.7-in)
CPU	Intel® Baytrail SoC Processor IMB-153D (J1900, QC, 2.00GHz, 10W)
Core Number	4
Max Speed	(By CPU)
L2 Cache	2MB
Chipset	N/A
BIOS	UEFI

Expansion Slot

PCI	0
Mini-PCIe	0
mSATA	0
PCIe	1
CFast Card Socket	0

Memory

Technology	Dual Channel DDR3 1066/1333 MHz SDRAM
Max.	8 GB
Socket	2 x SO-DIMM

Graphics

Controller	Intel® Gen7 Intel Graphics DX 11*, OGL3.2
VRAM	share Memory
VGA	Supports max. resolution 1920 x 1200
LVDS	no
HDMI	Supports HDMI 1.3a, max resolution 1920x1200
DVI	no
Display Port	no
Multi Display	Yes (Dual Display)

Ethernet

Controller/ Speed	10/100/1000 Mbps
Connector	GbE LAN: 1x Realtek RTL 8111GR/RTL8111H-CG

SATA

Max Data Transfer Rate	SATA2 (3.0Gb/s)
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Rear I/O

VGA	1
HDMI	1
DVI-I/D	0
Display Port	0
Ethernet	1
USB	4 (1 x USB 3.0 compliant; 3 x USB 2.0 compliant)
Audio	2 (Mic-in, Line-out)
Serial	1
e-SATA	0
PS/2	KB/Mouse

Internal Connector

USB	2 (2 x USB 2.0 compliant)
LVDS/Inverter	0
VGA	1
Serial	1 x RS-232
SATA	2 x SATA2 (3.0Gb/s)
m-SATA	0
Mini-PCIe	0
Parallel	Optional
IrDA	0
GPIO	0
SATA PWR Output Con	0
Speaker Header	1

Watchdog Timer

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

Power Requirements

Input PWR	ATX (24-pin PWR Con)
Power On	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
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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