



IMB-391

Micro ATX Motherboard

Spotlight Features

- Supports Intel® 7th/ 6th Gen (KabyLake-S/Skylake-S) Core™ Processors (Socket 1151)
- Supports Dual Channel DDR4 2133MHz, up to 32GB
- 1 x VGA, 2 x HDMI, 1 x Displayport, 1 x DVI
- 4 x USB 3.0, 4 x USB 2.0, 4 x SATA3
- 1 x PCIe x16, 2 x PCI, 1 x PCIe x4
- 2 x Intel LAN
- 1 x TPM Header
- ATX PWR Con (24+8-pin)

Specifications

Processor System

Dimensions	Micro ATX (9.6-in x 9.6-in)
CPU	Supports Intel® 7 th / 6 th Gen (KabyLake-S/Skylake-S) Core™ Processors
Chipset	Intel® H110

Expansion Slot

PCIe	1 x PCIe x16, 2 x PCI, 1 x PCIe x4
Mini-PCIe	N/A
M.2	N/A
mSATA	N/A

Memory

Technology	Dual Channel DDR4 2133MHz
Max	32GB
Socket	2 x Long-DIMM

Graphics

Controller	Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4
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 4096 x 2160@60Hz
DVI	Supports max resolution up to 1920 x 1200@60Hz
DisplayPort	Supports max resolution up to 4096 x 2160@60Hz
Multi Display	Dual Display

Ethernet

Interface	10/100/1000 Mbps
Controller	1 x Intel I219V, 1 x Intel I210

Environment

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

Rear I/O

VGA	1
DVI	1
HDMI	1
DisplayPort	1
Ethernet	2
USB	4 x USB 3.0
Audio Jack	3 (Mic-in, Line-in, Line-out)
Serial	1 x COM (RS-232/422/485)
PS/2	1 x PS/2 combo

Internal Connector

USB	4 x USB 2.0
LVDS	1
eDP	N/A
VGA	N/A
Serial	3 x COM (RS-232)
SATA	4 x SATA3
Parallel	1 (shared with GPIO)
GPIO	8 x GPI + 8 x GPO
SATA PWR Output Con	N/A
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	ATX PWR Con (24+8-pin)
Power On	AT/ATX Supported AT : Directly PWR on as power input ready ATX : Press button to PWR on after power input ready

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