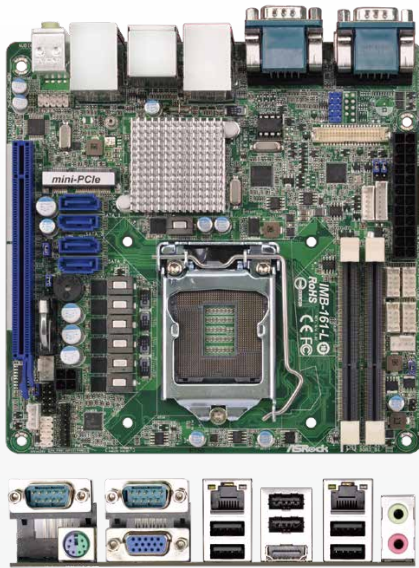




IMB-161-L

Mini-ITX Motherboard

Spotlight Features

- Socket LGA1155 for Intel Core i7/i5/i3/Celeron (Ivy Bridge and Sandy Bridge)
- Intel® H61 Chipset
- Integrated Intel® HD Graphics Built-in Visuals
- Supports DDR3 1600MHz, 2 x SO-DIMM, up to 16GB system memory
- 2 x COM (RS-232/422/485), 4 x COM (RS-232)
- 1 x D-Sub, 1 x HDMI, 1 x Dual Channel 24-bit LVDS
- 8 x USB 2.0, 4 x SATA2
- 1 x PCIe x16, 1 x mini-PCIe
- Gigabit LAN : 1 x Intel 82579V, 1 x Intel 82583V
- 1 x TPM Header

Specifications

Processor System	
Dimension	Mini-ITX (6.7-in x 6.7-in)
CPU	Socket LGA1155 for Intel Core i7/i5/i3/Celeron (Sandy Bridge and Ivy Bridge)
Core Number	(By CPU, Max 4)
Max Speed	(By CPU)
L3 Cache	(By CPU)
Chipset	H61
BIOS	UEFI

Expansion Slot	
PCI	N/A
Mini-PCIe	1 x half size with PCIe x1 and USB 2.0
mSATA	N/A
PCIe	1 (x16) (IVY Bridge: Gen3; Sandy Bridge: Gen2)
CFast Card Socket	N/A

Memory	
Technology	Dual Channel DDR3 1066/1333/1600 MHz SDRAM
Max.	16GB
Socket	2 x SO-DIMM

Graphics	
Controller	Intel HD Graphics (By CPU)
VRAM	Shared Memory
VGA	Supports max resolution 2048 x 1536
LVDS	Dual Channel 24-bit, support max resolution 1920x1200
HDMI	Supports HDMI 1.4a, max resolution 1920x1200
DVI	No
Display Port	No
Multi Display	Yes (Dual Display)

Ethernet	
Interface	10/100/1000 Mbps
Controller	GbE LAN1: Intel 82583V, LAN2: Intel 82579V
Connector	RJ-45 x 2 w/ LED

SATA	
Max Data Transfer Rate	4 x SATA2 (3.0Gb/s)

Rear I/O	
VGA	1
HDMI	1
DVI-I/D	0
Display Port	0
Ethernet	2
USB	6 (USB 2.0 compliant)
Audio	2 (Mic-in, Line-out)
Serial	2 (RS-232/422/485)
PS/2	1 (Combo)

Internal Connector	
USB	2 (USB 2.0 compliant)
LVDS/Inverter	1/1
VGA	0
Serial	4 (RS-232)
SATA	4 x SATA2 (3.0Gb/s)
m-SATA	0
Mini-PCIe	1
Parallel	0
IrDA	0
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	0
Speaker Header	1

Watchdog Timer	
Output	Output from super I/O to drag RESETCON#
Interval	256 segments, 0,1,2...255sec/min

Power Requirements	
Input PWR	ATX PWR (24+4 pin)
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

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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