



IMB-380-L

Micro ATX Motherboard

Spotlight Features

- Socket LGA1150 for Intel Core i7/i5/i3/Celeron (Haswell)
- Intel® Q87 Express Chipset
- Integrated Intel® HD Graphics Built-in Visuals
- Supports DDR3 1600MHz, 4 x Long-DIMM, up to 32GB system memory
- 2 x COM (RS-232/422/485), 4 x COM (RS-232)
- 1 x HDMI, 1 x VGA, 1 x LVDS
- 4 x USB 3.0, 9 x USB 2.0, 4 x SATA3
- 2 x PCI, 1 x Mini-PCIe, 1 x mSATA, 1 x PCIe x16, 1 x PCIe x4
- Gigabit LAN : 1 x Intel I217LM (with v-Pro support), 1 x Intel I210
- 1 x TPM Header

Specifications

Processor System	
Dimension	Micro-ATX (9.6-in x 9.6-in)
CPU	Socket LGA1150 for Intel Core i7/i5/i3/Celeron (Haswell)
Core Number	(By CPU, Max 4)
Max Speed	(By CPU)
L3 Cache	(By CPU)
Chipset	Q87
BIOS	UEFI

Expansion Slot	
PCI	2
Mini-PCIe	1 x full size with PCIe x1 and USB 2.0
mSATA	1 x full size with SATA3
PCIe	1 (x16)+ 1 (x4)
CFast Card Socket	0

Memory	
Technology	Dual Channel DDR3 1066/1333/1600 MHz SDRAM
Max.	32GB
Socket	4 x Long DIMM

Graphics	
Controller	Intel HD Graphics (By CPU)
VRAM	Shared Memory
VGA	No
LVDS	24 bit dual channel
HDMI	Supports HDMI 1.4a, max resolution 1920 x 1200
DVI	Supports max resolution 1920 x 1200
Display Port	No
Multi Display	Yes (Three Display)

Ethernet	
Interface	10/100/1000 Mbps
Controller	GbE LAN1: Intel I210, LAN2: Intel I217LM (with v-Pro support)
Connector	2 x RJ-45

SATA	
Max Data Transfer Rate	2 x SATA2 (3.0Gb/s), 2 x SATA3 (6.0Gb/s), Supports RAID 0/1/5

Rear I/O	
VGA	1
HDMI	1
DVI-I/D	0
Display Port	0
Ethernet	2
USB	6 (4 x USB 3.0 compliant, 2 x USB 2.0 compliant)
Audio	3 (Mic-In, Line-Out, Line-In)
Serial	2 (RS-232/422/485)
PS/2	1 (Combo)

Internal Connector	
USB	6 (USB 2.0 compliant) 1 Vertical Type A USB Connector
LVDS/Inverter	1
VGA	0
Serial	4 (RS-232)
SATA	4 x SATA3 (6.0Gb/s), Supports RAID0/1/5
m-SATA	1
Mini-PCIe	1
Parallel	1
IrDA	0
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	2
Speaker Header	1

Watchdog Timer	
Output	Output from super I/O to drag RESETCON#
Interval	256 Segments, 0,1,2...255 Sec/Min

Power Requirements	
Input PWR	ATX PWR (8+24 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