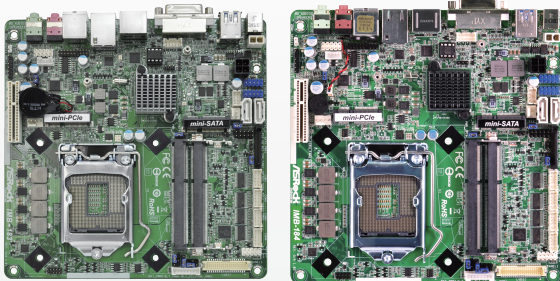


IMB-183 / IMB-184

Mini-ITX Motherboard



IMB-183

IMB-184



Spotlight Features

- Supports Intel® 4th Gen (Haswell-S) Core™ Processors (Socket 1150)
- Supports Dual Channel DDR3 SO-DIMM 1600, up to 16GB
- 1 x HDMI, 1 x DVI, 1 x LVDS
- 2 x USB 3.0, 6 x USB 2.0, 2 x SATA3
- 1 x Mini-PCIe, 1 x PCIe x4, 1 x mSATA
- 1 x Intel® LAN
- 1 x TPM Header
- DC 12-19 input

Specifications

Processor System	IMB-183	IMB-184
Dimensions	Mini-ITX (6.7-in x 6.7-in)	
CPU	Supports Intel® 4th Gen (Haswell-S) Core™ Processors	
Chipset	Intel® H81	Intel® Q87

Expansion Slot	
PCIe	1 x PCIe x4
Mini-PCIe	1 half size (Supports USB device)
M.2	N/A
mSATA	1

Memory	
Technology	Dual Channel DDR3L 1333/1600MHz
Max	16GB
Socket	2 x SO-DIMM

Graphics		
Controller	Intel HD Graphics (By CPU)	
VGA	Internal header (share with DVI)	
LVDS	1	
eDP	N/A	
HDMI	Supports max resolution up to 4096 x 2304	
DVI	Supports max resolution 1920 x 1200	
DisplayPort	N/A	
Multi Display	Dual Display	Triple Display

Ethernet		
Interface	10/100/1000 Mbps	
Controller	1 x Intel I217V	Intel I217LM

Rear I/O	IMB-183	IMB-184
VGA	N/A	
DVI	1	
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	4 x USB 2.0
LVDS	1
eDP	N/A
VGA	1
Serial	3 x COM (RS-232), 1 x COM (RS-232/422/485)
SATA	2 x SATA3
Parallel	N/A
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	1
Speaker Header	1
TPM	1 x Header

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

Power Requirements	
Input PWR	DC 12-19 input
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

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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.

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