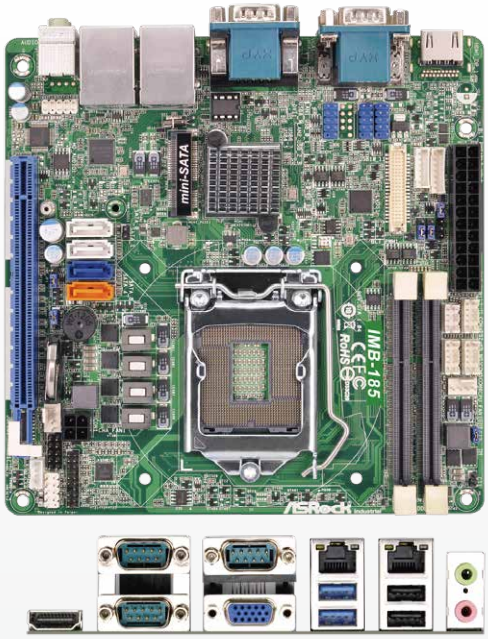
ASRock Industrial

intel IoT Solutions Alliance



IMB-185

Mini-ITX Motherboard

Spotlight Features

- Supports Intel® 5th/ 4th Gen (Broadwell-S/Haswell-S) Core™ Processors (Socket 1150)
- Supports Dual Channel DDR3 SO-DIMM 1333/1600,up to 16GB
- 1 x HDMI, 1 x VGA, 1 x LVDS
- 2 xUSB 3.0, 8 x USB 2.0, 2 x SATA3, 2 x SATA2, 6 x COM
- 1 x PCIe x16, 1 x mSATA
- 2 x Intel® LAN
- 1 x TPM Header
- ATX PWR (4 + 24)

Specifications

Processor System	
Dimensions	Mini-ITX (6.7-in x 6.7-in)
CPU	Supports Intel® 5th/ 4th Gen (Broadwell-S/Haswell-S) Core™ Processors
Chipset	Intel® H81

Expansion Slot	
PCIe	1 x PCIe x16
Mini-PCIe	N/A
M.2	N/A
mSATA	1x full size with SATA2

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

Graphics	
Controller	Intel HD Graphics (By CPU)
VGA	Supports max resolution 1920X1200
LVDS	1
eDP	N/A
HDMI	Supports max resolution up to 4096 x 2304
DVI	N/A
DisplayPort	N/A
Multi Display	Dual Display

Ethernet	
Interface	10/100/1000 Mbps
Controller	1 x Intel I210, 1 x Intel I217V

Rear I/O	
VGA	1
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	2
USB	2 x USB 3.0, 2 x USB2.0
Audio Jack	2 (Mic-in, Line-out)
Serial	3 x COM (RS-232/422/485)
PS/2	N/A

Internal Connector	
USB	6 x USB 2.0
LVDS	1
eDP	N/A
VGA	1
Serial	4 x COM (RS-232), 2 x COM (RS-232/422/485)
SATA	2 x SATA3, 2 x SATA2
Parallel	N/A
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	N/A
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	ATX PWR (4 + 24)
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

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.