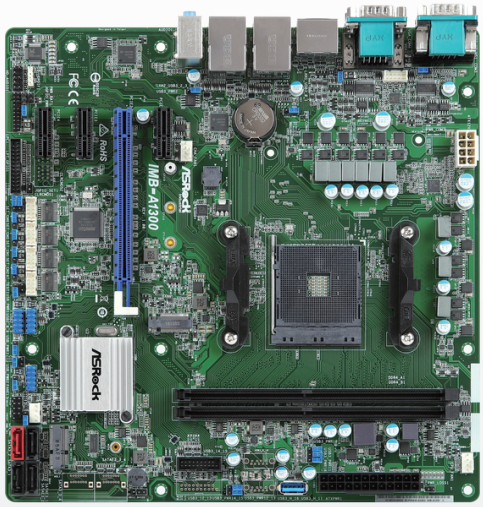
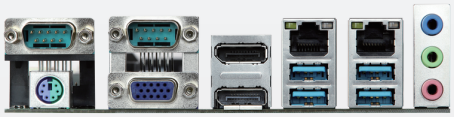
ASRock Industrial

Preliminary

IMB-A1300

Micro-ATX Motherboard





Key Features

- AMD AM4 Socket with Ryzen Series CPU
- Supports Dual Channel DDR4 Long-DIMM 2933MHz, up to 32GB
- 2 x DisplayPort, 1 x VGA
- 4 x USB 3.1, 6 x USB 2.0, 3 x USB 3.0, 4 x SATA3, 6 x COM
- 3 x PCIe x1, 1 x PCIe x16, 1 x M.2 Key M, 1 x M.2 Key E
- 2 x Intel LAN
- 1 x Onboard TPM 2.0 IC
- ATX PWR 24+8-pin

Specifications

Processor System	
Dimensions	Micro-ATX (9.6-in x 9.6-in)
CPU	AMD Ryzen Series-Raven Ridge (2200G, QC,3.5GHz,65W) (2400G, QC, 3.6GHz,65W)
Chipset	AMD Promontory B450

Expansion Slot	
PCIe	1 x PCIe x16(only supports PCIe x8 mode by Ryzen (Raven Ridge) CPU) 3 x PCIe x1
Mini-PCIe	N/A
M.2	1 x Key M(3042/3060/3080)with PCIe x4 from CPU 1 x Key E(2230)with PCIe x1 and USB 2.0 for Wireless

Memory	
Technology	Dual Channel DDR4 3200 MHz
Max	32GB
Socket	2 x Long-DIMM

Graphics	
GPU	AMD Radeon™ Vega 8 Graphics(2200G), AMD Radeon™ Vega 11 Graphics(2400G)
VGA	Max resolution up to 1920 x 1200@60Hz
LVDS	N/A
eDP	N/A
HDMI	N/A
DVI	N/A
DisplayPort	DisplayPort++ 1.2 with max resolution up to 4096x2160@60Hz
Multi Display	Triple Display

Ethernet	
Interface	10/100/1000 Mbps
Controller	2 x Intel® I210-AT

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

Rear I/O	
VGA	1
DVI	N/A
HDMI	N/A
DisplayPort	2
Ethernet	2
USB	4 x USB 3.1
Audio Jack	3 (Mic-in. Line-in. Line-out)
Serial	2 x COM (RS-232/422/485)
PS/2	1 x PS/2 Combo

Internal Connector	
USB	6 x USB 2.0, 3 x USB3.0 (1 x header, 1 x Type A)
LVDS	N/A
eDP	N/A
VGA	N/A
Serial	4 x COM (RS232)
SATA	4 x SATA3 (6.0 Gb/s, one is shared with M.2 Key M)
Parallel	1
GPIO	8 x GPI, 8 x GPO
SATA PWR Output Con	N/A
Speaker Header	1
TPM	1 x Onboard TPM 2.0 IC

Power Requirements	
Input PWR	ATX PWR 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

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.