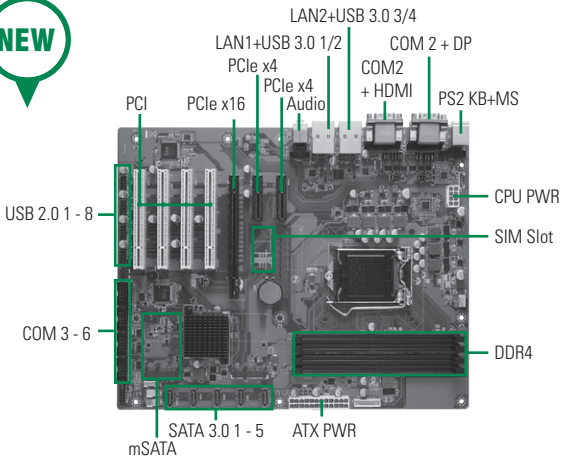


IMB500

ATX Industrial Motherboard with LGA1151 Socket 6th Generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® Processor, Intel® Q170, DDR4, USB 3.0, SATA 3.0, Dual LANs, VGA/DP/HDMI and mSATA



System

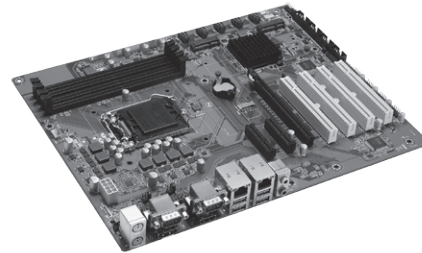
CPU	LGA1151 socket 6th generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor
System Memory	4 x 288-pin DIMM DDR4-2133/1866 max. up to 64 GB
Chipset	Intel® Q170
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x mSATA
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 slot 2 x PCIe x4 slot 4 x PCI slot 1 x PCI Express Mini Card 1 x SIM slot
Battery	Lithium 3 V/ 220 mAH
Size/Weight	305 x 244 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 keyboard & mouse 4 x RS-232 (Internal box header) 2 x RS-232/422/485; (Rear IO)
SATA	5 x SATA-600 with RAID 0/1/5/10 1 x mSATA
Hardware Monitoring	Detect CPU/system temperature, voltage and supports Smart fan control
Ethernet	1st port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM, iAMT with Intel® i219LM 2nd port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i210
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	4 x USB 3.0 8 x USB 2.0
TPM	N/A
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels programmable

Features

- LGA1151 socket 6th generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor (Skylake)
- 4 DDR4- 2133/1866 SO-DIMM max. up to 64 GB
- DisplayPort, HDMI, and VGA with triple view supported
- 5 SATA-600 RAID 0/1/5/10
- 4 USB 3.0 and 8 USB 2.0 ports
- mSATA supported
- PCI Express Mini Card



▲ Side view

Display

Chipset	Intel® HD Graphics 530/510
Memory Size	TBD
Display Interface	1 x DisplayPort 1 x HDMI 1 x VGA (Internal box header)

Ordering Information

Standard	
IMB500	LGA1151 socket 6th generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor ATX industrial motherboard with Intel® Q170, DDR4, USB 3.0, SATA 3.0, dual GbE LAN, VGA/DP/HDMI and mSATA

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4

Industrial Motherboards

Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix

