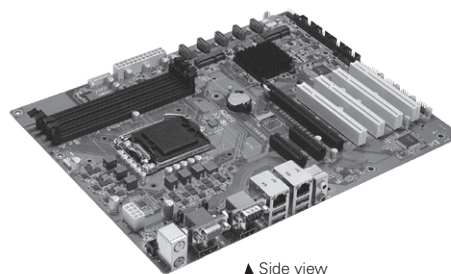
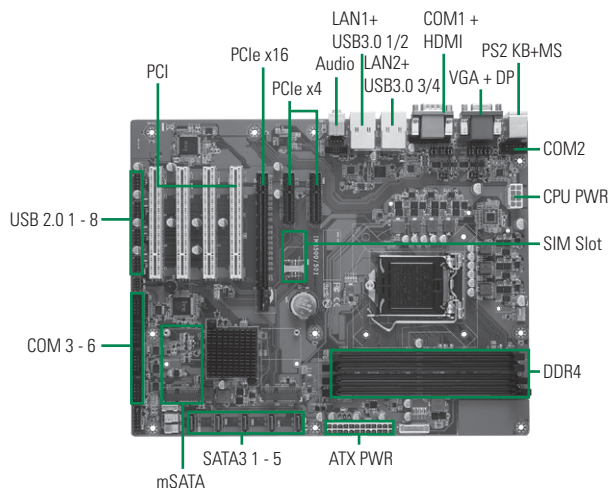


# IMB500

ATX Industrial Motherboard with LGA1151 Socket 6th/7th Gen Intel® Core™ Processor, Intel® Q170, DDR4, USB 3.0, SATA 3.0, Dual LANs, VGA/DisplayPort/HDMI and mSATA

## Features

- LGA1151 socket 6th/7th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor (Skylake/Kaby Lake)
- 4 DDR4-2133/1866 288-pin DIMM, up to 64GB
- 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



## Core System

CPU	LGA1151 socket 6th/7th generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor
System Memory	4 x 288-pin DDR4-2133/1866 DIMM, up to 64GB
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
Board Thickness	1.6 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 (COM 1: Rear IO; COM 2: internal box header)
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

## Display

Chipset	Intel® HD graphics 530/510
Memory Size	Share system memory
Display Interface	1 x DisplayPort 1 x HDMI 1 x VGA

## Ordering Information

### Standard

IMB500 (P/N: E38F500101)	ATX industrial motherboard with LGA1151 socket 6th/7th generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor, Intel® Q170, DDR4, USB 3.0, SATA 3.0, 2 GbE LANs, VGA/DisplayPort/HDMI and mSATA
-----------------------------	--

### Optional

59380402010E	COM port x 1 cable w/ bracket
59380703000E	COM port x 2 cable w/ bracket, P=2.54 mm, L=300 mm
593826A0000E	SATA signal cable 500mm/red
59384500100E	Audio cable w/ bracket, P=2.0mm, L=450 mm
5938A808010E	USB x 2 cable w/ bracket, 2 x 5 (10P-KEY)