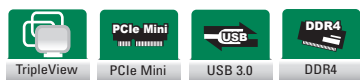


IMB502

ATX Motherboard with LGA1151 Socket 7th/6th Gen Intel® Core™ Processor, Intel® Q170, USB 3.0, SATA 3.0, Dual LAN, VGA, DVI-D and HDMI

Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor (Kaby Lake/Skylake)
- Four 288-pin DDR4-2400/2133/1866 DIMM for up to 64GB of memory
- VGA, DVI-D and HDMI with triple-view supported
- 5 SATA-600 with RAID 0/1/5/10
- 6 USB 3.0 and 7 USB 2.0



Core System

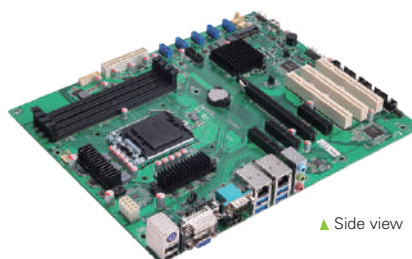
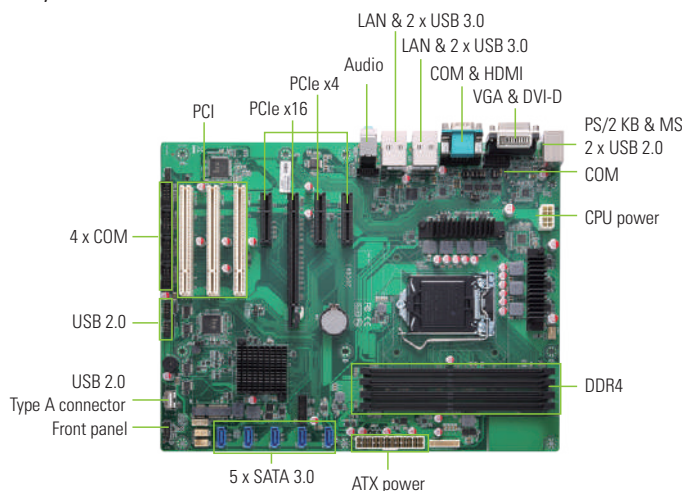
| | |
|-----------------------|---|
| CPU | LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor |
| System Memory | 4 x 288-pin DDR4-2400/2133/1866 DIMM, up to 64GB |
| Chipset | Intel® Q170 |
| BIOS | AMI BIOS |
| SSD | N/A |
| Watchdog Timer | 255 levels, 1 to 255 sec. |
| Expansion Interface | 1 x PCIe x16 slot 3 x PCIe x4 slot 3 x PCI slot |
| Battery | Lithium 3 V/ 220 mA |
| Dimensions | 305 x 244 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | 0°C to +60°C (+32°F to +140°F) |
| Humidity | 10% to 95% relative humidity, non-condensing |

I/O

| | |
|---------------------|--|
| SATA | 5 x SATA-600 with RAID 0/1/5/10 |
| Hardware Monitoring | Detect CPU/system temperature, voltage and supports Smart fan control |
| Ethernet | 1 x 10/100/1000 Mbps Ethernet with Intel® i219-LM; supports Wake-on-LAN, PXE Boot ROM, iAMT 1 x 10/100/1000 Mbps Ethernet with Intel® i211-AT; supports Wake-on-LAN, PXE Boot ROM |
| Audio | HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662 |
| USB | 6 x USB 3.0 (4 ports on rear I/O; 2 ports on internal box header) 7 x USB 2.0 (2 ports on rear I/O; 4 ports on internal pin-header; 1 port USB Type A connector onboard) |
| Serial | 5 x RS-232 (Internal box header) 1 x RS-232/422/485 (COM 1: rear) |
| PS/2 Combo Port | 1 x PS/2 keyboard and mouse |
| TPM | N/A |
| SMBus | Yes |
| Digital I/O | 8 channels programmable |

Display

| | |
|-------------------|----------------------------------|
| Graphic | Intel® HD Graphic |
| Memory Size | Share system memory |
| Display Interface | 1 x VGA 1 x DVI-D 1 x HDMI |



Ordering Information

Standard

| | |
|-----------------------------|---|
| IMB502 (P/N: E38F502101) | ATX motherboard with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor, Intel® Q170, USB 3.0, SATA 3.0, 2 GbE LAN, VGA, DVI-D, and HDMI |
|-----------------------------|---|

Optional

| | |
|--------------|--|
| 5938A808010E | 2 x USB 2.0 cable with bracket, P=2.54 mm, L=190 mm |
| 5938A808020E | 2 x USB 2.0 cable with bracket, P=2.54 mm, L=400 mm |
| 5948C122800E | 2 x USB 3.1 Gen1 cable with bracket, L=400 mm |
| 593826A0000E | SATA signal cable/red, L=500 mm |
| 59384500100E | Audio cable with bracket, P=2.0 mm, L=450 mm |
| 59380402010E | 1 x COM port cable with bracket, P=2.54 mm, L=300 mm |
| 59380703000E | 2 x COM port cable with bracket, P=2.54 mm, L=300 mm |

Processor List

| CPU | Speed | Cache | Cores | TDP |
|-----------------------------------|---------|-------|-------|------|
| Intel® Core™ i7-7700 Processor | 3.6 GHz | 8 MB | 4 | 65 W |
| Intel® Core™ i7-7700T Processor | 2.9 GHz | 8 MB | 4 | 35 W |
| Intel® Core™ i7-6700K Processor | 4.0 GHz | 8 MB | 4 | 91 W |
| Intel® Core™ i7-6700 Processor | 3.4 GHz | 8 MB | 4 | 65 W |
| Intel® Core™ i7-6700TE Processor | 2.4 GHz | 8 MB | 4 | 35 W |
| Intel® Core™ i5-7500 Processor | 3.4 GHz | 6 MB | 4 | 65 W |
| Intel® Core™ i5-7500T Processor | 2.7 GHz | 6 MB | 4 | 35 W |
| Intel® Core™ i5-6500 Processor | 3.2 GHz | 6 MB | 4 | 65 W |
| Intel® Core™ i5-6500TE Processor | 2.3 GHz | 6 MB | 4 | 35 W |
| Intel® Core™ i3-7100 Processor | 3.9 GHz | 3 MB | 2 | 51 W |
| Intel® Core™ i3-7101TE Processor | 3.4 GHz | 3 MB | 2 | 35 W |
| Intel® Core™ i3-6100 Processor | 3.7 GHz | 3 MB | 2 | 51 W |
| Intel® Core™ i3-6100TE Processor | 2.7 GHz | 4 MB | 2 | 35 W |
| Intel® Celeron® G4620 Processor | 3.7 GHz | 3 MB | 2 | 51 W |
| Intel® Celeron® G4400 Processor | 3.3 GHz | 3 MB | 2 | 54 W |
| Intel® Celeron® G4400TE Processor | 2.4 GHz | 3 MB | 2 | 35 W |
| Intel® Celeron® G3950 Processor | 3.0 GHz | 2 MB | 2 | 51 W |
| Intel® Celeron® G3900TE Processor | 2.3 GHz | 2 MB | 2 | 35 W |