

IMB530

ATX Motherboard with LGA1200 Socket 11th/10th Gen Intel® Core™ i9/i7/i5/i3, Xeon® W Processor, Intel® W480E, ECC DDR4, USB 3.2 Gen2, NVMe, Dual LAN, VGA, DisplayPort++, DVI-D, and HDMI

Features

- LGA1200 socket 11th/10th gen Intel® Core™ i9/i7/i5/i3, Xeon® W, Pentium® or Celeron® processor (Comet Lake and Rocket Lake)
- Four 288-pin DDR4-2933 (CML)/3200 (RKL) ECC/non-ECC un-buffered Long-DIMM, up to 128GB
- DisplayPort++, VGA, DVI-D and HDMI with triple-view supported
- Supports M.2 Key M 2280
- 2 USB 3.2 Gen2 and 4 USB 3.2 Gen1
- TPM 2.0 supported (optional)



Core System

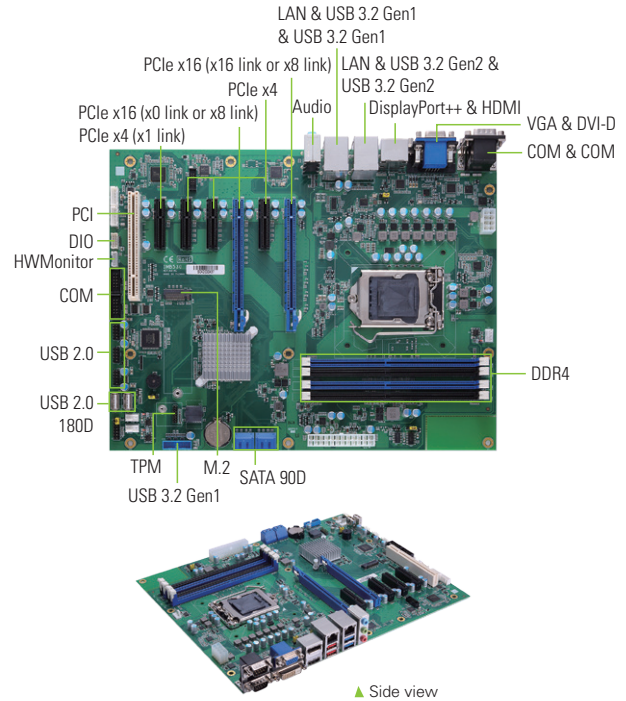
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|-----------------------|--|
| CPU | LGA1200 socket 11th/10th gen Intel® Core™ i9/i7/i5/i3, Xeon® W, Pentium® or Celeron® processor (up to 125W) * Intel® Core™ i3 and Pentium® only available with 10th Gen |
| System Memory | 4 x 288-pin DDR4-2933 (CML)/3200 (RKL) ECC/non-ECC un-buffered Long-DIMM, up to 128GB (ECC memory is available for Intel® Xeon® and Core™ i3 processors) |
| Chipset | Intel® W480E |
| BIOS | AMI BIOS |
| SSD | M.2 Key M 2280 with PCIe x4/SATA signal |
| Watchdog Timer | 255 levels, 1 to 255 sec. |
| Expansion Interface | 1 x PCIe x16 slot (signal: x16 or x8) 1 x PCIe x16 slot (signal: x0 or x8) 3 x PCIe x4 slot open ended 1 x PCIe x4 slot open ended (signal: x1) 1 x PCI |
| Battery | Lithium 3 V/ 220 mAh |
| 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 | 4 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 |
| USB | 2 x USB 3.2 Gen2 (rear I/O) 2 x USB 3.2 Gen1 (rear I/O) 2 x USB 3.2 Gen1 (internal, box header) 6 x USB 2.0 (internal, pin header) 2 x USB 2.0 (internal, 180D type A) |
| Serial | 2 x RS-232 (Internal box header) 2 x RS-232/422/485 (rear I/O) |
| PS/2 Combo Port | 1 x PS/2 keyboard (internal box header) |
| TPM | TPM 2.0 (optional) |
| SMBus | Yes |
| Digital I/O | 8-channel programmable |

Display

| | |
|-------------------|---|
| Graphic | Intel® UHD Graphics |
| Memory Size | Share system memory |
| Display Interface | 1 x VGA 1 x DVI-D 1 x HDMI 1 x DisplayPort++ |



Ordering Information

Standard

| | |
|----------------------------|---|
| IMB530-S (P/N: E38F530101) | ATX motherboard with LGA1200 socket 11th/10th gen Intel® Core™ i9/i7/i5/i3, Xeon® W, Pentium® or Celeron® processor, Intel® W480E, USB 3.2 Gen2, SATA 3.0, GbE LAN, VGA, DisplayPort++, 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 3.2 Gen1 cable with bracket, L=400 mm |
| 59380000290E | PS/2 keyboard & mouse cable with bracket |
| 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 |
| 83935151000E | TPM 2.0 module (AX93515) |
| 5076E510000E | CPU heatsink for 1U chassis (AX61135TM) |
| 50761222000E | CPU cooler for 2U, 4U, and wall mount chassis |

*Please refer to the user's manual for the system CPU support list.

Processor List

| CPU | Speed | Cache | Cores | TDP |
|---------------------------------------|---------|-------|-------|-------|
| Intel® Xeon® W-1390 Processor | 2.8 GHz | 16 MB | 8 | 80 W |
| Intel® Xeon® W-1290 Processor | 3.2 GHz | 20 MB | 10 | 80 W |
| Intel® Core™ i9-11900K Processor | 3.5 GHz | 16 MB | 8 | 125 W |
| Intel® Core™ i9-10900K Processor | 3.7 GHz | 20 MB | 10 | 125 W |
| Intel® Core™ i7-11700K Processor | 3.6 GHz | 16 MB | 8 | 125 W |
| Intel® Core™ i7-11700F Processor | 2.5 GHz | 16 MB | 8 | 65 W |
| Intel® Core™ i7-10700K Processor | 3.8 GHz | 16 MB | 8 | 125 W |
| Intel® Core™ i7-10700E Processor | 2.9 GHz | 16 MB | 8 | 65 W |
| Intel® Core™ i5-11600K Processor | 3.9 GHz | 12 MB | 6 | 125 W |
| Intel® Core™ i5-11400F Processor | 2.6 GHz | 12 MB | 6 | 65 W |
| Intel® Core™ i5-10500E Processor | 3.1 GHz | 12 MB | 6 | 65 W |
| Intel® Core™ i5-10600K Processor | 4.1 GHz | 12 MB | 6 | 125 W |
| Intel® Core™ i3-10100E Processor | 3.2 GHz | 6 MB | 4 | 65 W |
| Intel® Pentium® Gold G6400E Processor | 3.8 GHz | 4 MB | 2 | 58 W |

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