

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

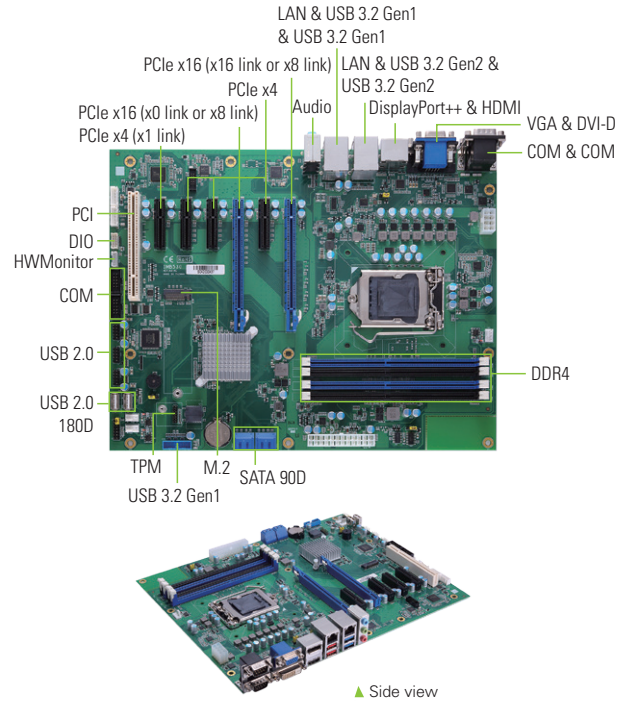
CPU	LGA1200 socket 11th/10th gen Intel® Core™ i9/i7/i5/i3, Xeon® W, Pentium® or Celeron® processor (up to 125W) * Intel® Core™ i3 and Pentium® only available with 10th Gen
System Memory	4 x 288-pin DDR4-2933 (CML)/3200 (RKL) ECC/non-ECC un-buffered Long-DIMM, up to 128GB (ECC memory is available for 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
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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