

Embedded Computer > Single Board Computer > Industrial Motherboard

## **IMB-MTL**

micro-ATX motherboard supports 14th Gen. Intel® mobile Meteor Lake-H on-board processor, DDR5, 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



#### **Features**

- » 14th Gen. Intel ${\bf @}$  mobile Meteor Lake-H on-board processor
- » Support two 262-pin 5600 MHz DDR5 SO-DIMM, system up to 96GB  $\,$
- » Support dual Intel® 2.5GbE controller
- » Support PCIe Gen5 x8, PCIe Gen4 x4, M.2 M key and M.2 B key expansion  $\,$

### **Specifications**

Form Factor		
Form Factor	Micro-ATX	
System		
CPU	14th Gen. Intel® mobile Meteor Lake-H on-board processor	
Memory	Two 262-pin 5600 MHz DDR5 SO-DIMM	
Memory Max.	96GB	
Cooling method / System Fan	1 x CPU fan connector (1x4 pin)	
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Physical Characteristics		
Dimensions (LxWxH) (mm)	244mm x 244mm	
Net Weight	GW: 1200g / NW: 700g	
Power		
Power Consumption	TBD	
Power Supply	ATX	
Environment		
Operating Temperature	-10°C ~ 60°C	
Storage Temperature	-30°C ~ 70°C	
Humidity	5% ~95%, non-condensing	

## **Ordering Information**

IMB-MTL-U7E-R10	Micro-ATX motherboard supports 14th Gen. Intel® Meteor Lake-H 155H on-board processor, DDR5, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-MTL-U7A-R10	micro-ATX motherboard supports 14th Gen. Intel® mobile Meteor Lake-H on-board processor, DDR5, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-MTL-U5E-R10	Micro-ATX motherboard supports 14th Gen. Intel® Meteor Lake-H 125H on-board processor, DDR5, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-MTL-U5A-R10	micro-ATX motherboard supports 14th Gen. Intel® mobile Meteor Lake-H on-board processor, DDR5, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



# Packing List

1 x IMB-MTL single board computer	1 x I/O Shielding
2 x SATA cable	1 x QIG