

IMB-MTL/IMB-ARL-U/H

micro-ATX motherboard 支持 14th Gen. Intel® mobile Meteor Lake-H/15th Gen. Intel® mobile Arrow Lake-U/H on-board 处理器, DDR5, 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio 和 RoHS



Features

- » 14th Gen. Intel® mobile Meteor Lake-H/15th Gen. Intel® mobile Arrow Lake-U/H on-board 处理器
- » 支持两个 262-pin 5600 MHz DDR5 SO-DIMM, 高达 96GB
- » 支持 dual Intel® 2.5GbE 控制器
- » Support PCIe Gen5 x8, PCIe Gen4 x4, M.2 M key 和 M.2 B key 扩展

Specifications

尺寸类型	
尺寸类型	Micro-ATX
系统	
CPU	14th Gen. Intel® mobile Meteor Lake-H/15th Gen. Intel® mobile Arrow Lake-U/H on-board 处理器
内存	Two 262-pin 5600 MHz DDR5 SO-DIMM
内存上限	96GB
散热方案/系统风扇	1 x CPU fan connector (1x4 pin)
	1 x System fan connector (1x4 pin)
物理特性	
尺寸 (LxWxH) (mm)	244mm x 244mm
净重	GW: 1200g / NW: 700g
I/O 接口	
显示输出	1 x HDMI™ : 1.4 (高达 4K @30Hz)
	1 x DP++ : DP 1.4 (高达4K @60Hz)
	1 x iDPM : IEI iDPM 3040 slot
	1 x USB4 : up to 4096 x 2160 @60Hz
音频	HD Audio - Realtek ALC888S HD Audio codec
	1 x Audio Jack (Line-out, Mic-in)
	1 x Analog audio (2x5 pin)
I/O接口	4 x 内部RS-232 : 2x5 pin, P=2.0
	2 x 内部RS-232/422/485 : 2x5 pin, P=2.0
	4 x 外部 USB 2.0 : Type-A
	2 x 内部 USB 2.0 : 2x4 pin, P=2.54
	1 x DIO : 12位数字 I/O (2x7 pin)
	2 x 外部 USB 3.2 Gen2x1 : Type-A, 10Gb/s
	1 x I²C : 1x4 pin
扩展	1 x PCIe x8 PCIe Gen5 x8 Slot
	3 x PCIe x4 PCIe Gen4 x4
	2 x M.2(NGFF) - 1 x M.2 B key 3080 (for IRIS2-2600) 1 x M.2 M key 2280 (PCIe Gen4 x2)
Other Features	
TPM	1 x TPM2.0 (2 x 10pin)
电源	

电源功耗	3.3V@1.19A, 5V@4.76A, 12V@5.76A, 5VSB@0.03A
	(Intel® Ultra 7 165H CPU with 32 GB 4800 MHz DDR5 memory)
电源供电	ATX
环境	
操作温度	-10°C ~ 60°C
存储温度	-30°C ~ 70°C
Humidity	5% ~ 95%, 无冷凝
认证	
Safety & EMC	CE/FCC Compliant
Watchdog Timer	
Watchdog Timer	Software Programmable support 1~255 sec. System reset

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-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-ARL-U/H-U7E-R10	Micro-ATX motherboard supports 15th Gen. Intel® ArrowLake-H 255H on-board processor, DDR5, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-ARL-U/H-U7A-R10	Micro-ATX motherboard supports 15th Gen. Intel® ArrowLake-H 255U on-board processor, DDR5, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS
IMB-ARL-U/H-U5E-R10	Micro-ATX motherboard supports 15th Gen. Intel® ArrowLake-H 225H 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/IMB-ARL-U/H 单板	1 x I/O 挡片
2 x SATA 线	1 x QIG