ICE-MTL-T6B

COM Express Type 6 Basic size module with Intel® Meteor Lake Core™ Ultra processor. Supports DDR5, LVDS, DDI, PCIe Gen5, 2.5GbE, SATAIII, USB4 and HD Audio. RoHS compliant.



Features

» Support Intel® Intel® Core™ Ultra processor Series 1 (Meteor Lake-U platform) processor

» Support DDR5-5600 SO-DIMM, up to 96GB

» Support On board SSD (Option)

» Support PCIe Gen5, USB4, 2.5GbE

Specifications

Form Factor	
Form Factor	COM Express
System	
CPU	Intel® Core™ Ultra Processors (Series 1) (Meteor Lake)
	Intel® Core™ Ultra5 125H
	Intel® Core™ Ultra7 155H
Memory	2 x DDR5-5600 SO-DIMM
Memory Max.	96GB
Cooling method / System Fan	1 x CPU Fan connector
	1 x SYS Fan signal to baseboard
Physical Characteristics	
Dimensions (LxWxH) (mm)	125 x 95 mm
Storage	
Storage	1 x On-Board SSD (optional)
	2 x SATA : 6Gb/s signal to base board
I/O Interface	
Display Output	1 x HDMI™ : signal to baseboard, 3840 x 2160 @ 60Hz
	1 x LVDS : colay with eDP
	2 x USB4 : signal to baseboard, 3840 x 2160 @ 60Hz
Ethernet	1 x LAN : 2.5 GbE Intel® I226-V signal to baseboard
Audio	1 x HD Audio : signal to baseboard
I/O Interface	1 x CAN-bus/OBD-II : signal to baseboard
	1 x GPIO : 8 bit GPIO signal to baseboard
	1 x I²C : 4-pin wafer signal to baseboard
	2 x UART : signal to baseboard
	12 x USB - 8 x USB 2.0 signal to baseboard 4 x USB 3.2 Gen2 signal to baseboard

Expansion	5 x PCIe -
	1 x PCIe Gen5 x8 signal to baseboard
	4 x PCIe Gen4 x4 signal to baseboard
Power	
Power Supply	5V DC
Environment	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	5% ~95%, non-condensing

Ordering Information

ICE-MTL-T6B-U7B-R10	COM Express Type 6 Basic size Module,Intel® Meteor Lake H Ultra 7 155H Processor,DDR5,USB4, LVDS, DDI, PCIE Gen5, 2.5GbE, SATAIII, USB 3.0 and HD Audio, RoHS
ICE-MTL-T6B-U5B-R10	COM Express Type 6 Basic size Module,Intel® Meteor Lake H Ultra 5 125H Processor,DDR5,USB4, LVDS, DDI, PCIE Gen5, 2.5GbE, SATAIII, USB 3.0 and HD Audio, RoHS

Packing List

1 x ICE-MTL-T6B single board computer	1 x Cooler module
1 x QIG	