

HTB-300-MTL-H

Medical AI Box PC



Features

- » Intel® Core™ Ultra 5-125H/ Ultra 7-155H processor (code name: Meteor Lake-H, TDP 28W)
- » Fanless embedded system
- » 2 x M.2 2280 PCIe Gen4 x4 (M Key) for SSD
- » 1 x M.2 2230 (E Key) slot for Wi-Fi 7
- » 1 x MXM 3.1 Type A slot (signal PCIe Gen5 x8)
- » 2 x DDR5 5600MT/s SO-DIMM slots, up to 64GB

Specifications

System	
Processor	Intel® Core™ Ultra 5-125H/ Ultra 7-155H processor
Supported OS	Windows 11, Linux Ubuntu
Network	
Ethernet Controller	Intel® I226-V
Wi-Fi	IEEE 802.11 be, Intel® Wi-Fi 7 BE200 (optional)
Bluetooth	Bluetooth V5.4 (optional)
Storage	
Storage	2 x M.2 2280 PCIe Gen4 x4 M-key slots (optional, supports RAID)
RAM	2 x 262-pin 5600MT/s dual-channel DDR5 SO-DIMM slots (system max. 64GB)
Expansion Slots	
Expansion Slots	2 x M.2 2280 PCIe Gen4 x4 M-key slots for SSD
	1 x M.2 2230 E Key slot (for Wi-Fi; PCIe/USB)
	1 x MXM 3.1 Type A slot (signal PCIe Gen5 x8)
	1 x PCIe Gen4 x4 slot (support Capture card)
Audio	
Audio	1 x 3.5mm Mic in & Audio out
Speaker	1 x 3W speaker
I/O Interface	
Front I/O	1 x 19V DC-in
	1 x 3.5mm Mic in & Audio out
	1 x Terminal Block (DC IN)
	2 x USB 2.0 Type-A
Rear I/O	1 x HDMI output 2.1
	1 x USB 3.2 Gen 2 Type-C (DP1.2 + USB 5V/3A)
	2 x 2.5GbE LAN
	4 x USB 3.2 Gen 2 Type-A
	4 x RS-232
Indicator&Buttons	

Buttons	1 x System power on/off button (with power LED)
	1 x Clear CMOS
	1 x AT/ATX switch
	1 x Reset
Physical Characteristics	
Color	White
Thermal	Fanless
Chassis Construction	NCT(N), SECC
Construction Material	Aluminum
Mounting	Wall, Stand and Arm
	VESA 75/100 compliant
	Din Rail mount
Weight (Net) (kg)	2.04
Weight (Gross) (kg)	4.26
Dimensions (LxWxH) (mm)	232 x 202 x 43.5 (Standard)
	232 x 202 x 66.5 (MXM or Riser Card)
Power	
Input	Terminal block 9-28V DC-in
Power Adapter	19V DC-in, 120W medical power adapter
Environment	
Operating Temperature	0°C – 40°C
Storage Temperature	-20°C – 60°C
Humidity	10% – 95% (non-condensing)
Vibration	1G
Operating Shock	5G peak acceleration (11ms duration)
Non-operating shock	15G peak acceleration (11ms duration)
Certifications	
Safety & EMC	CE, FCC Class B Part18
	UL 60601-1
	IEC/EN 60601-1: 2005+AMD1:2012 (Edition 3.2)
	IEC/EN 60601-1-2 (Edition 4.1)

Ordering Information

HTB-300-MTL-H-ULTRA7-R10	Fanless embedded system, Intel® Core™ Ultra7-155H 4.8GHz on-board processor, 2 x M.2 2280 PCIe Gen4 x4 M key slot, 1 x M.2 2230 E Key slot for Wi-Fi 7 module, 1 x MXM 3.1 Type A/B expansion, R10, RoHs
HTB-300-MTL-H-ULTRA5-R10	Fanless embedded system, Intel® Core™ Ultra5-125H 4.5GHz on-board processor, 2 x M.2 2280 PCIe Gen4 x4 M key slot, 1 x M.2 2230 E Key slot for Wi-Fi 7 module, 1 x MXM 3.1 Type A/B expansion, R10, RoHs

Packing List

1 x 120W medical power adapter	1 x European power cord, C13
1 x Stand	4 x Foot pad