

## 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                 |