

# HTB-230D-R680E

AI box PC with 10.1" touch panel and 13th generation Intel® Core™ i9 processor



## Features

- » Intel® Core™ i9 processor
- » 10.1" front panel with P-CAP touch
- » Expansion slots for GPU and add-on cards
- » Compatible to Nvidia Quadro RTX Ampere series GPU
- » Support M.2 Gen4 x4 NVMe SSD
- » Support 4 x DDR5

## Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Display</b>                      |   |
| LCD Size                            | 10.1"   |
| LCD Resolution                      | 1920 x 1200   |
| LCD Brightness (cd/m <sup>2</sup> ) | 400   |
| LCD Contrast Ratio                  | 900:1   |
| LCD Color                           | 16.7M (8-bit)   |
| LCD Pixel Pitch (mm)                | 0.03764 x 0.11292   |
| LCD Viewing Angle (H-V)             | 160°/160°   |
| Touch Screen                        | Projected capacitive type with 10-point multi-touch   |
| Touch Controller                    | ILI   |
| Touch Surface Hardness              | 6H  |
| <b>System</b>                       |   |
| Processor                           | Intel® Core™ i9 processor   |
| Chipset                             | Intel® R680E  |
| GPU                                 | Compatible with NVIDIA Quadro RTX Ampere series GPU   |
| <b>Network</b>                      |   |
| Ethernet Controller                 | Intel® I225-V   |
| <b>Storage</b>                      |   |
| Storage                             | M.2 2280 NVMe Gen4 x4 SSD   |
| RAM                                 | 4 x 288-pin dual-channel DDR5 U-DIMM, up to 4400MHz, ECC & non-ECC un-buffered memory (system max. 128GB) |
| <b>Expansion Slots</b>              |   |
| Expansion Slots                     | 1 x PCIe Gen4 x16 slot for GPU  |
|                                     | 2 x PCIe Gen4 x4 slot for add-on cards  |
|                                     | 1 x M.2 2280 PCIe Gen4 x4 M key slot for SSD  |
| <b>Audio</b>                        |   |
| Speaker                             | 2 x 3W speaker  |
| <b>I/O Interface</b>                |   |
| Front I/O                           | 2 x USB 3.2 Gen 2   |
| Rear I/O                            | 1 x HDMI output   |
|                                     | 1 x AC IN   |
|                                     | 1 x Speaker   |
|                                     | 1 x Microphone  |

|                                 |   |
|---------------------------------|---|
|                                 | 2 x 2.5 GbE LAN                           |
|                                 | 4 x USB 3.2 Gen 2                         |
| <b>Indicator&amp;Buttons</b>    |   |
| Buttons                         | 1 x System power button (with power LED)  |
|                                 | 1 x Power supply swich                    |
| Indicators                      | Power LED                                 |
| <b>Physical Characteristics</b> |   |
| Color                           | White                                     |
| Thermal                         | Smart fan                                 |
| Construction Material           | NCT(N); SECC                              |
| Weight (Net) (kg)               | 7.68                                      |
| Dimensions (LxWxH) (mm)         | 310 x 203 x 390                           |
| <b>Power</b>                    |   |
| Input                           | 115V AC – 264V AC medical grade ATX power |
| Output                          | 700W medical power adapter                |
| <b>Environment</b>              |   |
| Operating Temperature           | 0°C ~ 40°C                                |
| Storage Temperature             | -20°C ~ 65°C                              |
| Humidity                        | 10% – 95% (non-condensing)                |
| Vibration                       | 1G  |
| Operating Shock                 | 5G peak acceleration (11ms duration)      |
| Non-operating shock             | 15G peak acceleration (11ms duration)     |
| <b>Certifications</b>           |   |
| Safety & EMC                    | CE,                                       |
|                                 | FCC Class B Part18,                       |
|                                 | UL 60601-1,                               |
|                                 | IEC/EN 60601-1,                           |
|                                 | IEC/EN 60601-1-2                          |

## Ordering Information

|                    |   |
|--------------------|---|
| HTB-230D-R680E-R10 | Medical AI Box PC, 10.1" panel, PCAP touchscreen, w/o CPU, w/o GPU card, w/o DDR5, w/o M.2 SSD, one PCIe Gen 4 x16 slot, two PCIe Gen 4 x4 slots, 700W medical power adapter, R10, RoHS |
|--------------------|---|

## Packing List

|                                       |  |
|---------------------------------------|--|
| 1 x European power cord (183 cm, C13) |  |
|---------------------------------------|--|