

# Medical AI Box PC

**HTB-230-R680E**  
**HTB-230D-R680E**

With a 13th Gen Intel® Core™ i9/i7/i5 processor, available in two models: one with a 10.1" FHD front panel with P-CAP touch and one without a front panel

## Features

- 13th Gen Intel® Core™ i9/i7/i5 processor
- Two models: Non-panel version with a metal plate / 10.1" FHD front panel with P-CAP touch
- One PCIe Gen4 x16 slot for GPU
- Two PCIe Gen4 x4 slots for add-on cards
- Compatible with NVIDIA Quadro RTX Ampere series GPUs
- Supports M.2 2280 PCIe Gen4 x4 NVMe SSD
- Supports 4 x DDR5 U-DIMM (up to 128GB total)



## Specifications

Model		HTB-230-R680E	HTB-230D-R680E
Display	Display Size	-	10.1"
	Resolution	-	1920 x 1200
	Brightness (cd/m <sup>2</sup> )	-	400
	Contrast Ratio	-	900:1
	LCD Color	-	16.7M (8bit)
	Pixel Pitch (mm)	-	0.03764 x 0.11292
	Viewing Angle (H/V)	-	160°/160°
Touch	Touchscreen	-	Projected capacitive type with 10-point multi-touch
	Touch Controller	-	ILI
	Surface Hardness	-	6H
Processor	Processor	13th Gen Intel® Core™ i9-13900/ 13th Gen Intel® Core™ i7-13700/ 13th Gen Intel® Core™ i5-13500	
	Chipset	Intel® R680E	
	GPU	Compatible with NVIDIA Quadro RTX Ampere series GPUs	
LAN	LAN Controller	Intel® I226-V	
System	Storage	M.2 2280 PCIe Gen4 x4 NVMe SSD	
	RAM	4 x 288-pin dual-channel DDR5 U-DIMM (up to 4400MHz), ECC and non-ECC unbuffered memory (up to 128GB total)	
Expansion	Expansion	1 x PCIe Gen4 x16 slot for GPU (supports full-height cards up to 111.15 mm (4.4 inches), full-length cards up to 312 mm (12.28 inches), and up to triple-slot widths, with a maximum TDP of 300W) 2 x PCIe Gen4 x4 slots for add-on cards 1 x M.2 2280 PCIe Gen4 x4 M-key slot for SSD	
Speaker	Speaker	2 x 3W speaker	
Security	Security	Trusted Platform Module 2.0	
	Front I/O	2 x USB 3.2 Gen 2 (10Gb/s)	
I/O	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 (10Gb/s)
	Button	Button	1 x System power button (with power LED)
LED Indicator	LED Indicator	Power LED	
Physical	Color	White	
	Thermal	Smart fan	
	Chassis Construction	NCT(N); SECC	
	Weight (Net) (kg)	7.68	
	Weight (Gross) (kg)	10.69	
Power	Dimensions (LxWxH) (mm)	310 x 206 x 390	
	Input	100V AC – 240V AC medical grade ATX power	
Environment	Output	700W medical build in power supply	
	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)	
Operating System	Non-operating shock	15G peak acceleration (11ms duration)	
	Supported OS	Windows 11; Linux ubuntu	
Certification	EMC & Safety	CE, FCC Class B Part18, UL 60601-1, IEC/EN 60601-1(edition 3.2), IEC/EN 60601-1-2 (edition 4.1)	

## Ordering Information

Part No.	Description
HTB-230D-R680E- <b>i9</b> /16G-R10	Medical AI Box PC, 10.1" panel, PCAP touchscreen, Intel® Core™ i9-13900, w/o GPU card, w/o M.2 SSD, DDR5 U-DIMM 16GB, one PCIe Gen 4 x16 slot, two PCIe Gen 4 x4 slots, 700W medical power supply, R10, RoHS
HTB-230D-R680E- <b>i7</b> /16G-R10	Medical AI Box PC, 10.1" panel, PCAP touchscreen, Intel® Core™ i7-13700, w/o GPU card, w/o M.2 SSD, DDR5 U-DIMM 16GB, one PCIe Gen 4 x16 slot, two PCIe Gen 4 x4 slots, 700W medical power supply, R10, RoHS
HTB-230D-R680E- <b>i5</b> /16G-R10	Medical AI Box PC, 10.1" panel, PCAP touchscreen, Intel® Core™ i5-13400, w/o GPU card, w/o M.2 SSD, DDR5 U-DIMM 16GB, one PCIe Gen 4 x16 slot, two PCIe Gen 4 x4 slots, 700W medical power supply, R10, RoHS
HTB-230-R680E- <b>i9</b> /16G-R10	Medical AI Box PC, w/o 10.1" panel, w/o PCAP touchscreen, Intel® Core™ i9-13900, w/o GPU card, w/o M.2 SSD, DDR5 U-DIMM 16GB, one PCIe Gen 4 x16 slot, two PCIe Gen 4 x4 slots, 700W medical power supply, R10, RoHS
HTB-230-R680E- <b>i7</b> /16G-R10	Medical AI Box PC, w/o 10.1" panel, w/o PCAP touchscreen, Intel® Core™ i7-13700, w/o GPU card, w/o M.2 SSD, DDR5 U-DIMM 16GB, one PCIe Gen 4 x16 slot, two PCIe Gen 4 x4 slots, 700W medical power supply, R10, RoHS
HTB-230-R680E- <b>i5</b> /16G-R10	Medical AI Box PC, w/o 10.1" panel, w/o PCAP touchscreen, Intel® Core™ i5-13400, w/o GPU card, w/o M.2 SSD, DDR5 U-DIMM 16GB, one PCIe Gen 4 x16 slot, two PCIe Gen 4 x4 slots, 700W medical power supply, R10, RoHS

## Options

Item	Part No.	Description
DDR5 U-DIMM	79G01-G008-001-RS	8GB DDR5 4800 U-DIMM
	79G00-G016-004-RS	16GB DDR5 4800 U-DIMM
M.2 SSD	79700-G12801TC23-RS	128GB, M.2 2280, PCIe Gen3x4, NVMe
	79700-G25601TC16-RS	256GB, M.2 2280, PCIe Gen3x4, NVMe
	79700-G51201TC07-RS	512GB, M.2 2280, PCIe Gen3x4, NVMe
	79700-T00101TC10-RS	1TB, M.2 2280, PCIe Gen3x4, NVMe
	79700-G25601TC15-RS	256GB, M.2 2280, PCIe Gen4x4, NVMe
	79700-G51201TC12-RS	512GB, M.2 2280, PCIe Gen4x4, NVMe
	79700-T00201TC03-RS	2TB, M.2 2280, PCIe Gen4x4, NVMe
OS	HTB-230D-W11E64-H-R10	OS Image with Windows 11 IoT Enterprise 23H2 GAC, High-End license for HTB-230D-R680E / HTB-230-R680E, RoHS

## Packing List

Item	Q'ty	Rem
European power cord	1	183 cm, C13

## Dimensions

(Unit: mm)

