

Medical AI Box PC

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

Model		HTB-230D-R680E	
Display	Display Size	10.1"	
	Resolution	1920 x 1200	
	Brightness (cd/m ²)	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	Intel® Core™ i9 processor	
	Chipset	Intel® R680E	
	GPU	Compatible with NVIDIA Quadro RTX Ampere series GPU	
LAN	LAN Controller	Intel® I225-V	
System	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)	
Expansion	Expansion	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	
Speaker	Speaker	2 x 3W speaker	
I/O	Front I/O	2 x USB 3.2 Gen 2 (10Gb/s)	
	Rear I/O	1 x HDMI output	1 x Microphone
		1 x AC IN 1 x Speaker	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) 1 x Power supply switch	
LED Indicator	LED Indicator	Power LED	
Physical	Color	Midnight Blue; Violet	
	Thermal	Smart fan	
	Chassis Construction	NCT(N); SECC	
	Weight (Net) (kg)	7.68	
	Dimensions (LxWxH) (mm)	310 x 203 x 390	
Power	Input	115V AC – 264V AC medical grade ATX power	
	Output	700W medical power adapter	
Environment	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)	
Operating System	Supported OS	Windows 10; Windows 11; Linux ubuntu	
Certification	EMC & Safety	CE, FCC Class B Part18, UL 60601-1, IEC/EN 60601-1, IEC/EN 60601-1-2	

Ordering Information

Part No.	Description
HTB-230D-R680E-R10	Medical AI Box PC, 10.1" panel, PCAP touchscreen, Intel® Core™ i9-13900, 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
HTB-230-R680E-R10	Medical AI Box PC, w/o 10.1" panel, w/o PCAP touchscreen, Intel® Core™ i9-13900, 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

Options

Number	Description
HTB-230D-W11E64-E-R10	OS Image with Windows Embedded Standard 11 E Entry 64-bit 2021 for HTB-230D-R680E / HTB-230-R680E, RoHS

Packing List

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

Dimensions

(Unit: mm)

