

# HTB-100-HM170

Fanless Quad core medical box PC



## Features

- » Medical grade with high performance fanless embedded computing
- » 6th Gen Intel® Core™ processor platform with Intel® HM170 chipset and DDR4 memory
- » Safety / EMC: CE, FCC class B part 18, IEC 60601-1 V3.1, IEC 60601-1-2 V4.0, IEC 62304, ISO 14971
- » Triple independent display with high resolution support
- » Isolated COM ports for enhancing safety among devices
- » Optional PCIe x16 expansion slot supports more flexible functions

## Specifications

Form factor	
SBC Form Factor	*CPU: Intel® Core™ i7-6822EQ 2GHz
	*Chipset: Intel® HM170
	*Memory: 2 x 260-pin DDR4 SO-DIMM preinstalled one 4 GB (Maximum memory size supported by the system is 32 GB)
	*Safety & EMC: CE/FCC class B part18, IEC60601-1 v3.1, IEC60601-1-2 V4.0, IEC62304, ISO 14971
	*Power: DC Jack : 12V~28V DC(Input) 19V@4.4A(Consumption)
I/O Interface	
I/O Openings	Reserved IO window for PCIe Mini card expansion
I/O Ports	*Display: 1 x VGA, 1 x HDMI™ 2.0, 1 x iDP(optional)
	*Audio: 1 x Line-out, 1 x Line-in, 1 x Mic-in
	*Network: 2 x RJ-45 PCIe GbE by Intel® I211 controller 1 x 802.11a/b/g/n/ac 2T/2R (optional)
	*Others: 2 x RS-232 (DB-9, with 2.5kV isolation) 2 x RS-232/422/485 (DB-9, with 2.5kV isolation) 4 x USB 3.0 2 x USB 2.0
Expansion Slots	
Expansion Slots	1 x PCIe x 16

	1 x Half-size PCIe mini
	1 x Full-size PCIe mini (support mSATA, colay with SATA)
	1 x M.2 (A & E key)
<b>System</b>	
Cooling method / System Fan	Fanless
Drive Bays	HDD: 1 x 2.5" SATA 6Gb/s HDD/SSD Bay
<b>Physical Characteristics</b>	
Construction	Extruded aluminum alloys
<b>Color</b>	
Color	Silver + Greyish blue
<b>Dimensions</b>	
Dimensions	294 x 209 x 90.2
<b>Environment</b>	
Operating Temperature	-20°C ~ 70°C with air flow (SSD)
Humidity	10%~90% non-condensing

## Ordering Information

HTB-100-HM170-i7/4G-R10	Ruggedized fanless embedded system with Intel® Core™ i7-6822EQ 2.0 GHz (up to 2.8 GHz, quad core, TDP 25W), 4GB DDR4, PCIe x16 expansion, VGA/HDMI™/iDP, COM port, 12~28V DC, Adapter Vin:90~264VAC; 150W; MEDICAL; Vout:19VDC; CCL; R10
HTB-100-HM170-i5/4G-R10	Ruggedized fanless embedded system with Intel® Core™ i5-6442EQ 1.9 GHz (up to 2.7 GHz, quad core, TDP 25W), 4GB DDR4, PCIe x16 expansion, VGA/HDMI™/iDP, COM port, 12~28V DC, Adapter Vin:90~264VAC; 150W; MEDICAL; Vout:19VDC; CCL; R10

## Packing List

1 x Chassis Screw Set	1 x Mounting Bracket
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