***医疗解决方案***

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**医疗Box PC**

**HTB-100-HM170** 无风扇四核Box PC

*特征*

* 医疗等级高性能无风扇嵌入式计算机
* 第六代 Intel® Core™ 处理器平台支持 Intel® HM170芯片组和 DDR4 内存
* 支持独立高清三显
* 隔离 COM 端口增强设备间的安全性
* 可选 PCIe x16 扩展槽支持更多灵活功能

**智能 & 人性化设计! HTB-100让您更满意**



隔离 COM口，丰富的 I/O 接口，多个扩展槽集于 HTB-100 内。智能 HTB-100 医疗计算系统能满足医疗应用的所有需求。



**● 符合医疗标准**

HTB-100符合医疗标准，包括IEC60601-1 V3.1，IEC60601-1-2

V4.0，IEC62304，IEC 6 2366，ISO 14971和 FCC part 18 class

B，让医疗环境更加可靠。

 **● 灵活扩展**

灵活的扩展是HTB-100医疗应用的优势之一。HTB-100预留 PCIe

x16插槽支持附加卡扩展，如采集卡，用于手术中医疗影像检测。

**● 防水顶盖**

HTB-100 配备防水顶盖，以防止清洁或液体造成的任何损害，这些损害可能间接影响患者。HTB-100可以满足平面设计，减少维护工作量。

**● 集线盒方便布线**

集线盒保护HTB-100免受灰尘和液体侵入，允许医疗工作者管理所有 I/O 接口的线材，让医疗环境中的清洁流程更加方便。



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 **强大的系统设计和创新技术**



 **● 隔离 COM 口支持安全保护**



COM端口支持符合医疗标准（IEC 60601-1-2 V4.00）的2.5kV隔离。隔离端口可以提高设计用于医疗环境的设备的安全性，并为患者和医务人员提供全面的防浪涌保护。

 **● 无风扇，易于维护**

HTB-100是一款无风扇嵌入式系统，散热片位于底部。该设计使 HTB-100 易于清洁，是医疗环境下非常可靠的系统。

**● 接地插脚防止伤害病人和医护人员**



完美的接地插脚设计避免电流从 HTB-100 到连接病人的重要设备，避免电流损害其他设备。

**● 方便安装的设计**

各种安装方式如桌面式和壁挂式都支持，方便应用于医疗环境。提供灵活的安装支架，可转向

1. 度从桌面改为壁挂式安装。

*规格*

|  |  |  |  |
| --- | --- | --- | --- |
|  | 型号 | **HTB-100-HM170** |  |
|  | 颜色 | Silver+Greyish blue |  |
|  | 尺寸 (WxDxH) | 294 x 209 x 90.2 |  |
| 机箱 | 净重 | 2.2 kg |  |
|  | 系统风扇 | Fanless |  |
|  | 机身材质 | Extruded aluminum alloy |  |
|  | CPU | Intel® Core™ i7-6822EQ (2 GHz, quad-core, TDP=25) |  |
|  | Intel® Core™ i5-6442EQ (1.9 GHz, quad-core, TDP=25) |  |
| 主板 |  |  |
| 芯片组 | Intel® HM170 |  |
|  |  |
|  | 内存 | 2 x 260-pin DDR4 SO-DIMM, one 4 GB pre-installed (system max: 32GB) |  |
| 存储 | 硬盘 | 1 x 2.5" SATA 6Gb/s HDD/SSD bay |  |
|  | USB 3.0 | 4 |  |
|  | USB 2.0 | 2 |  |
|  | 以太网 | 2 x RJ-45 PCIe GbE by Intel® I211 controller |  |
|  | COM 口 | 2 x RS-232 (DB-9, with 2.5 kV isolation) |  |
|  | 2 x RS-232/422/485 (DB-9, with 2.5 kV isolation) |  |
| I/O 接口 |  |  |
| **显示** | 1 x VGA, 1 x HDMI 2.0, 1 x iDP (optional) |  |
|  |  |
|  | 分辨率 | VGA: Up to 1920 x 1200@60HZ HDMI |  |
|  | 2.0: Up to 4096 x 2160@60Hz |  |
|  |  |  |
|  | 音频 | Realtek ALC662, 5.1-channel High Definition Audio (HDA), Line-in, Line-out, Mic-in |  |
|  | 无线 | 1 x 802.11a/b/g/n/ac 2T2R (optional) |  |
|  | PCIe | 1 x PCIe x16 |  |
| 扩展 | PCIe Mini | 1 x Half-size PCIe Mini |  |
| 1 x Full-size PCIe Mini (supports mSATA, colay with SATA) |  |
|  |  |  |
|  | M.2 | 1 x M.2 A & E key (2230/ USB or PCIe) |  |
|  | 电源输入 | DC Jack: 12~28V DC |  |
| 电源 | 功耗 | 19V@4.4A (Intel® Core™ i7-6822EQ with 4 GB memory) |  |
|  | Adapter Power; Vin:90~264VAC; 150W; Dim:85\*170\*42.5mm; Plug=6.5mm; Cable=1200mm; MEDICAL; Vout:19VDC; Din |  |
|  | 电源适配器 |  |
|  | 4Pin/lock; CCL; R10 |  |
|  |  |  |
|  | 安装方式 | Wall mounting |  |
|  | 操作温度 | 0°C ~ 40°C with air flow (SSD), 10% ~ 95%, non-condensing |  |
| 可靠性 | 存储温度 | -40°C ~ 70°C with air flow (SSD), 10% ~ 90%, non-condensing |  |
| 抗冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis |  |
|  |  |
|  | 抗震动 | MIL-STD-810G 514.6 C-1 (with SSD) |  |
|  | 认证 | CE, FCC class B part 18, IEC 60601-1 V3.1, IEC 60601-1-2 V4.0, IEC 62304, ISO 14971 |  |
| OS | 支持的 OS | Microsoft® Windows 8, Microsoft® Embedded Standard 7 |  |
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| *订购信息* |  |  |
|  | 料号 | 描述 |
|  |  | Ruggedized fanless embedded system with Intel® Core™ i5-6442EQ 1.9 GHz (up to 2.7 GHz, quad core, TDP 25W), 4GB DDR4 pre-installed |
|  | HTB-100-HM170-i5/4G-R10 | memory, one PCIe x16 expansion, VGA/HDMI/iDP, COM port, 12~28V DC, Adapter Power; Vin:90~264VAC; 150W; Dim:85\*170\*42.5mm; |
|  |  | Plug=6.5mm; Cable=1200mm; MEDICAL; Vout:19VDC; Din 4Pin/lock; CCL; R10 |
|  |  | Ruggedized fanless embedded system with Intel® Core™ i7-6822EQ 2.0 GHz (up to 2.8 GHz, quad core, TDP 25W), 4GB DDR4 pre-installed |
|  | HTB-100-HM170-i7/4G-R10 | memory, one PCIe x16 expansion, VGA/HDMI/iDP, COM port, 12~28V DC, Adapter Power; Vin:90~264VAC; 150W; Dim:85\*170\*42.5mm; |
|  |  | Plug=6.5mm; Cable=1200mm; MEDICAL; Vout:19VDC; Din 4Pin/lock; CCL; R10 |
| *选项* |  |  |
|  | 料号 | 描述 |
|  |  |  |  |
|  | 41008-0803K6-00-RS | Cable COVER; HTB-100ME; White; R10 |  |
|  |  |  |  |



*包装清单*



|  |  |
| --- | --- |
| 1 x Chassis Screw | 1 x Mounting Bracket |

*I/O 接口*

Wi-Fi Wi-Fi Expansion for PCIe 2 x RS-232 with Isolation Audio 2 x GbE LAN HDMI Power Switch



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | AT/ATX mode |  |  |  | Reset |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ground Pin | 2 x USB 2.0 | 2 x RS-232/422/485 with Isolation4 x USB 3.0 | VGA DC Input |



*HTB-100-HM170 尺寸 (单位: mm)*

