

## TANK-XM813

高性能 Intel® Core™ Ultra 处理器 (Series 2)  
无风扇嵌入式计算机



## Features

» 支持的CPU:

LGA1851 socket supports Intel® Core™ Ultra Processors (Series 2)(Arrow Lake -S)(MAX 65W TDP)

» 2 x 2.5GbE ports

» 多个USB和串行接口

» 多种内部扩展板，灵活选择

» 多种可选背板和机箱

» 符合 CE/FCC 标准

## Specifications

| Form factor     |                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------|
| SBC Form Factor | » CPU:                                                                                       |
|                 | LGA1851 socket supports Intel® Core™ Ultra Processors (Series 2)(Arrow Lake -S)(MAX 65W TDP) |
|                 | » 芯片组:                                                                                       |
|                 | W880                                                                                         |
|                 | » 系统内存:                                                                                      |
|                 | 2 x SO-DIMM DDR5 5600 (预装16GB) (最大支持96GB)                                                    |
|                 | » 电源:                                                                                        |
|                 | 直流插孔: 12 V~28 V直流                                                                            |
|                 | 接线端子: 12 V~28 V直流                                                                            |
| I/O Interface   |                                                                                              |
| I/O Ports       | » USB:                                                                                       |
|                 | 7 x USB 3.2 Gen2                                                                             |
|                 | » 网络:                                                                                        |
|                 | 2 x RJ-45: 2.5 GbE by Intel® I226V (colay I226LM)                                            |
|                 | » 串口:                                                                                        |
|                 | 2 x RS-232/422/485                                                                           |
|                 | 4 x RS-232                                                                                   |
|                 | » 数字 I/O:                                                                                    |
|                 | 12-bit Digital I/O (6-in/ 6-out)                                                             |
|                 | » 显示:                                                                                        |
|                 | 1 x HDMI                                                                                     |
|                 | 1 x DP++                                                                                     |
|                 | 1 x USB4 (Display+USB 3.2 Gen2 )                                                             |
|                 | » 音频:                                                                                        |
|                 | 1 x Mic                                                                                      |
|                 | 1 x Line-out                                                                                 |
|                 | » TPM:                                                                                       |
|                 | 支持 Intel PTT                                                                                 |

|                             |                                                          |
|-----------------------------|----------------------------------------------------------|
|                             | 2x10pin TPM 接口                                           |
|                             | » 看门狗定时器：                                                |
|                             | 可编程 1 ~ 255 秒/分钟                                         |
| Expansion Slots             |                                                          |
| Expansion Slots             | » M.2:                                                   |
|                             | 1 x 2280 M-key (PCIe Gen4 x4)                            |
|                             | 1 x 2230 A-key (USB+PCIe x1, supports vPRO)              |
|                             | » 背板:                                                    |
|                             | 选配                                                       |
| System                      |                                                          |
| Cooling method / System Fan | 无风扇                                                      |
|                             | 4 针外部系统风扇连接器                                             |
| Drive Bays                  | 2 x 2.5" SATA 6Gb/s HDD/SSD bay (RAID 0/1 supported)     |
| Indicator&Buttons           |                                                          |
| Buttons                     | 1 x 电源开关                                                 |
|                             | 1 x 复位开关                                                 |
|                             | 1 x AT/ATX开关                                             |
| Indicators                  | 1 x 电源灯 (红色)                                             |
|                             | 1 x 硬盘灯 (绿色)                                             |
| Physical Characteristics    |                                                          |
| Construction                | 铝合金                                                      |
| Color                       |                                                          |
| Color                       | 黑色                                                       |
| Dimensions                  |                                                          |
| Dimensions                  | 230.6 x 255 x 68.7                                       |
| Weight                      |                                                          |
| Weight                      | 3.2/3.6 kg                                               |
| Environment                 |                                                          |
| 工作温度                        | -20°C ~ 60°C (CPU TDP35W & SSD)                          |
|                             | -20°C ~ 50°C (CPU TDP65W & SSD)                          |
| 相对湿度                        | 10% ~ 95% 无冷凝                                            |
| Operating Vibration         | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| Operating Shock             | MIL-STD-810G 514.6C-1 (SSD)                              |
| 安规&电磁                       | 符合CE/FCC认证                                               |
| OS Support                  |                                                          |
| OS Support                  | Microsoft Windows 10 / Windows 11, Linux                 |

## Ordering Information

|                     |                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| TANK-XM813-U9BD-R10 | Ruggedized Fanless Embedded System With Intel® Ultra 9 285 2.5GHz (up to 5.6 GHz, 24-core, TDP 65W), 16GB RAM,1xHDMI,1xDP++, USB4, 12~28V DC and RoHS  |
| TANK-XM813-U9AD-R10 | Ruggedized Fanless Embedded System With Intel® Ultra 9 285T 1.4GHz (up to 5.4 GHz, 24-core, TDP 35W), 16GB RAM,1xHDMI,1xDP++, USB4, 12~28V DC and RoHS |
| TANK-XM813-U7BD-R10 | Ruggedized Fanless Embedded System With Intel® Ultra 7 265 2.4GHz (up to 5.3 GHz, 20-core, TDP 65W), 16GB RAM,1xHDMI,1xDP++, USB4, 12~28V DC and RoHS  |
| TANK-XM813-U7AD-R10 | Ruggedized Fanless Embedded System With Intel® Ultra 7 265T 1.5GHz (up to 5.3 GHz, 20-core, TDP 35W), 16GB RAM,1xHDMI,1xDP++, USB4, 12~28V DC and RoHS |
| TANK-XM813-U5BD-R10 | Ruggedized Fanless Embedded System With Intel® Ultra 5 225 3.4GHz (up to 4.9GHz, 10-core, TDP 65W), 16GB RAM,1xHDMI,1xDP++, USB4, 12~28V DC and RoHS   |
| TANK-XM813-U5AD-R10 | Ruggedized Fanless Embedded System With Intel® Ultra 5 225T 2.5GHz (up to 4.9GHz, 10-core, TDP 35W), 16GB RAM,1xHDMI,1xDP++, USB4, 12~28V DC and RoHS  |

|              |         |
|--------------|---------|
| Packing List | 1 x 螺丝包 |
| 2 x 凤凰端子     |         |