

TANK-8700-MPHX

高性能 AMD Ryzen™ 7000/8000 系列移动处理器,
无风扇嵌入式计算机



Features

» 支持的CPU:

AMD Ryzen™ 7000/8000 系列移动处理器

AMD Ryzen™ 5 8645HS 4.3 GHz, (up to 5.0 GHz, 6 Core, TDP 45W)

AMD Ryzen™ 7 8845HS 3.8 GHz, (up to 5.1 GHz, 8 Core, TDP 45W)

AMD Ryzen™ 9 8945HS 4.0 GHz, (up to 5.2 GHz, 8 Core, TDP 45W)

» 2 x 2.5GbE ports

» 多个USB和串行接口

» 多个 M.2 扩展和 PCIe 扩展

» 三独立显示

» 支持 IPMI 远程管理符合 CE/FCC 标准

Specifications

Form factor	
SBC Form Factor	» CPU:
	AMD Ryzen™ 7000/8000 系列移动处理器
	AMD Ryzen™ 5 8645HS 4.3 GHz, (up to 5.0 GHz, 6 Core, TDP 45W)
	AMD Ryzen™ 7 8845HS 3.8 GHz, (up to 5.1 GHz, 8 Core, TDP 45W)
	AMD Ryzen™ 9 8945HS 4.0 GHz, (up to 5.2 GHz, 8 Core, TDP 45W)
	» 芯片组: SoC
	» 系统内存: 2 x SO-DIMM DDR5 5200 (预装16GB) (最大支持96GB)
	» 电源: 直流插孔: 12 ~ 28V 直流
	» 接线端子: 12 ~ 28V 直流 (支持 ACC 模式)
	» 功耗: 19V@3.79 A (AMD Ryzen™ 9 7940HS 带 8GB 内存)
I/O Interface	
I/O Ports	» USB:
	3 x USB 3.2 Gen2
	3 x USB 2.0
	» 网络:
	2 x 2.5 GbE by Realtek 8125B controller
	1 x RJ45 by M.2 IRIS2 Module
	» 串口:
	2 x RS-422/485 (with 2K isolation) (DB9)
	3 x RS-232 (DB9)
	» 数字 I/O:
	8-bit (4-in/4-out) DB9 (Female)
	» 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:
	1 x 20pin TPM 接口 (选配 TPM-IN03 模块)
	» 看门狗定时器:
	可编程 1 ~ 255 秒/分钟
Expansion Slots	
Expansion Slots	» M.2:
	1 x M.2 M key (2280, PCIe Gen4 x2)
	1 x M.2 A key (2230, PCIe Gen3 x1 & USB 2.0)
	1 x M.2 B Key (3042/52/80, PCIe Gen3 x1 or support IRIS2 module)
	» 背板:
	1 x PCIe Gen4 x8
	1 x PCIe Gen3 x4
	1 x PCIe Gen3 x1 (3A型号)
	1 x PCI (3B型号)
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
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 (绿色)
	1 x 硬盘灯 (黄色)
Physical Characteristics	
Construction	铝合金
Color	
Color	黑色+铁灰色
Dimensions	
Dimensions	254.4 x 205 x 127.2
Weight	
Weight	3.96 kg / 5.5 kg
Environment	
工作温度	-20°C ~ 60°C
相对湿度	10% ~ 95% 无冷凝
Operating Vibration	Half-sine wave shock 5G, 11ms, 100 shocks per axis (With SSD)
Operating Shock	MIL-STD-810G 514.6C-1 (With SSD)
安规&电磁	符合CE/FCC认证
OS Compatible	
OS Compatible	Microsoft Windows 10 / Windows 11, Linux

Ordering Information

TANK-8700-MPHX-89AD-3B-R10	Ruggedized Fanless embedded system with AMD Ryzen™ 9 8945HS 4.0 GHz, (up to 5.2 GHz, 8 Core, TDP 45W), 16GB DDR5 pre-installed memory, PCIe x8/PCIe x4/PCI, HDMI/DP/USB4, 12-28V DC, RoHS
TANK-8700-MPHX-89AD-3A-R10	Ruggedized Fanless embedded system with AMD Ryzen™ 9 8945HS 4.0 GHz, (up to 5.2 GHz, 8 Core, TDP 45W), 16GB DDR5 pre-installed memory, PCIe x8/PCIe x4/PCIe x1,HDMI/DP/USB4, 12-28V DC, RoHS
TANK-8700-MPHX-87AD-3B-R10	Ruggedized Fanless embedded system with AMD Ryzen™ 7 8845HS 3.8 GHz, (up to 5.1 GHz, 8 Core, TDP 45W), 16GB DDR5 pre-installed memory, PCIe x8/PCIe x4/PCI, HDMI/DP/USB4, 12-28V DC, RoHS

	12-28V DC, RoHS
TANK-8700-MPHX-83AD-3B-R10	Ruggedized Fanless embedded system with AMD Ryzen™ 3 8645HS 3.8 GHz, (up to 5.0 GHz, 8 Core, TDP 45W), 16GB DDR5 pre-installed memory, PCIe x8/PCIe x4/PCIe x1, HDMI/DP/USB4, 12-28V DC, RoHS
TANK-8700-MPHX-85AD-3A-R10	Ruggedized Fanless embedded system with AMD Ryzen™ 5 8645HS 4.3 GHz, (up to 5.0 GHz, 6 Core, TDP 45W), 16GB DDR5 pre-installed memory, PCIe x8/PCIe x4/PCIe x1, HDMI/DP/USB4, 12-28V DC, RoHS

Packing List

1 x 壁挂支架	1 x 螺丝包
2 x 凤凰端子	