

TANK-XM810

高性能第 10 代 / 第 11 代 Intel® Core™
处理器无风扇嵌入式计算机



Features

» 支持的CPU:

Intel® Core™ i3-10320 3.8 GHz (up to 4.6 GHz, quad-core, 65W TDP)

Intel® Core™ i5-10500 3.1 GHz (up to 4.5 GHz, 6-core, 65W TDP)

Intel® Core™ i5-10500TE 2.3 GHz (up to 3.7 GHz, 6-core, 35W TDP)

Intel® Core™ i7-10700E 2.9 GHz (up to 4.5 GHz, 8-core, 65W TDP)

Intel® Core™ i7-10700TE 2.0 GHz (up to 4.4 GHz, 8-core, 35W 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:
	10/11 th Gen Intel® Core™ CPU 35/65W
	Intel® Core™ i3-10320 3.8 GHz (up to 4.6 GHz, quad-core, 65W TDP)
	Intel® Core™ i5-10500 3.1 GHz (up to 4.5 GHz, 6-core, 65W TDP)
	Intel® Core™ i5-10500TE 2.3 GHz (up to 3.7 GHz, 6-core, 35W TDP)
	Intel® Core™ i7-10700E 2.9 GHz (up to 4.5 GHz, 8-core, 65W TDP)
	Intel® Core™ i7-10700TE 2.0 GHz (up to 4.4 GHz, 8-core, 35W TDP)
	» 芯片组:
	Q470/Q470E
	» 系统内存:
	2 x SO-DIMM DDR4 2933 MHz (支持多达到64GB)
	» 电源:
	直流插孔: 12 V~28 V直流
	接线端子k: 12 V~28 V直流
	功耗: 12V @ 8A (Intel® Core™ i9-10900TE 带 8GB 内存)
I/O Interface	
I/O Ports	» USB:
	6 x USB 3.2 Gen 2
	2 x USB 2.0
	» 网络:
	2 x RJ-45:
	2 x 2.5 GbE by Intel® I225V (colay I225LM)
	» 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++
	» TPM:
	支持 Intel PTT
	» 看门狗定时器 :
	可编程 1 ~ 255 秒/分钟
Expansion Slots	
Expansion Slots	M.2: 2 x 2280 M-key (PCIe x2) bay (RAID 0/1 support)
	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	1 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
Dimensions	
Dimensions	230.6 x 256.04 x 76.2
Weight	
Weight	3.2/3.5 kg
Environment	
Operating Temperature	-20°C ~ 60°C 有气流 (CPU TDP35W & SSD)
	-20°C ~ 50°C 有气流 (CPU TDP65W & SSD)
Humidity	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)
Safety & EMC	符合CE/FCC认证
OS Support	
OS Support	Microsoft Windows 10 / Windows 11, Linux

Ordering Information

TANK-XM810-i7BC-R11	Ruggedized Fanless Embedded System with Intel® i7-10700E 2.9GHz,(up to 4.5GHz, 8-core, TDP 65W), 8GB DDR4 pre-installed memory, 1xHDMI™, 1xDP++,12~28V DC and RoHS
TANK-XM810-i7AC-R11	Ruggedized Fanless Embedded System with Intel® i7-10700TE 2.0GHz, (up to 4.4GHz, 8-core, TDP 35W), 8GB DDR4 pre-installed memory, 2xHDMI™, 14~28V DC and RoHS
TANK-XM810-i5BC-R11	Ruggedized Fanless Embedded System with Intel® i5-10500 3.1GHz,(up to 4.5GHz, 6-core, TDP 65W), 8GB DDR4 pre-installed memory, 1xHDMI™, 1xDP++,12~28V DC and RoHS
TANK-XM810-i5AC-R11	Ruggedized Fanless Embedded System with Intel® i5-10500TE 2.3GHz, (up to 3.7GHz, 6-core, TDP 35W), 8GB DDR4 pre-installed memory, 2xHDMI™, 14~28V DC and RoHS
TANK-XM810-i3BC-R11	Ruggedized Fanless Embedded System with Intel® i3-10320 3.8GHz,(up to 4.6GHz, 4-core, TDP 65W), 8GB DDR4 pre-installed memory, 1xHDMI™, 1xDP++,12~28V DC and RoHS

Packing List

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1 x Wall mounting kit	1 x Screw pack
2 x Terminal block	