

DRPC-243-MTL

Fanless DIN-Rail Embedded System



Features

» Supported CPUs:

Intel® Core™ Ultra Processors (Series 1)(Meteor Lake platform)

» 4 x USB 3.2 Gen2 & 2 x USB 2.0

» Triple independent display (HDMI™ + DP + USB-C)

» 2 x RS-232 & 2 x RS-422/485 (with 2.5KV isolation)

» CE/FCC compliant

Specifications

Form factor	
SBC Form Factor	» 支持的 CPU :
	Intel® Core™ Ultra Processors (Series 1) (Meteor Lake platform)
	» 芯片组 :
	SoC
	» 系统内存 :
	2 个 SO-DIMM 插槽, 支持 DDR5 5600 MHz (预安装 16GB) (可支持达 96GB)
	» 功率 :
	3 引脚接线端子 : 12 ~ 28 VDC (直流电)
I/O Interface	
I/O Ports	» USB:
	4 x USB 3.2 Gen2 Type-A
	2 x USB 2.0 Type-A
	» 网络:
	1 x 2.5 GbE by Intel® I226LM controller
	2 x 2.5 GbE by Intel® I226-V controller
	» Display:
	1 x HDMI™ 1.4b (最高支持 4K@30Hz)
	1 x DP 1.4b (最高支持 4K@60Hz)
	1 x USB-C (最高支持 4K@60Hz 显示, 支持 40Gbps 数据传输及 15W 供电)
	» COM Port:
	2 x RS-232 (DB9 接口, 带 2.5KV 电压隔离)
	2 x RS-232 (可选配)
	2 x RS-422/485 with AFC (DB9 接口, 带 2.5KV 隔离)
	» DIO: 1 x 12-bit(6进6出)(可选配)
	» TPM:
	Intel® PTT (Firmware TPM 2.0)
	Optional TPM module via 20-pin header (IEI TPM module P/N:TPM-IN03)
Expansion Slots	
Expansion Slots	» M.2:
	1 x 2230 A-key (PCIe Gen4 x1/ USB2.0)
	1 x 3042/52 B-key (PCIe Gen4 x1/ USB3.2 Gen2/ USB2.0)
	1 x On-board SIM card socket (hinge type) for M.2 B key
	1 x 2280 M-key (PCIe Gen4 x4)
	» Backplane:

	1 x PCIe Gen4 x4 (可选配)
System	
Cooling method / System Fan	无风扇设计
	4-pin 外部系统风扇接口
Drive Bays	1 x 2.5" SATA 6Gb/s SSD bay
Indicator&Buttons	
Buttons	1 x 电源按钮
	1 x 2-pin 远程电源按钮接线端子
	1 x 复位按钮
	1 x AT/ATX 开关
Indicators	1 x 电源指示灯
	1 x 硬盘指示灯
Physical Characteristics	
Construction	铝合金
Color	
Color	黑色
Dimensions	
Dimensions	190 (W) x 150 (D) x 81 (H) mm
Weight	
Weight	1.6 / 2.4KG
Environment	
工作温度	-20°C ~ 60°C (with SSD)
相对湿度	10% ~ 95%, 无凝结
Operating Vibration	MIL-STD-810H 514.8C-I with SSD
Operating Shock	IEC 60068-2-27 half-sine, 5G, 11ms, 100 shocks with SSD
安规&电磁	CE, FCC
OS Compatible	
OS Compatible	Microsoft® Windows 10 / 11, Linux

Ordering Information

DRPC-243-MTL-U7AD-R10	Embedded system with Intel® Core™ Ultra 7 155U, pre-installed 1x 16GB DDR5, HDMI/DP/USB4, 3x 2.5GbE LAN, 4x COM, 6x USB, 12~28V DC, RoHS
DRPC-243-MTL-U5AD-R10	Embedded system with Intel® Core™ Ultra 5 125U, pre-installed 1x 16GB DDR5, HDMI/DP/USB4, 3x 2.5GbE LAN, 4x COM, 6x USB, 12~28V DC, RoHS

Packing List

1 x DIN-Rail mounting kit	1 x Screw pack
1 x Terminal block	