

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	» Supported CPU:
	Intel® Core™ Ultra Processors (Series 1)(Meteor Lake platform)
	» Chipset:
	SoC
	» System Memory:
	2 x SO-DIMM slot DDR5 5600 MHz (16 GB pre-installed) (up to 96GB)
	» Power:
	3-pin terminal block: 12 ~ 28 VDC
I/O Interface	
I/O Ports	» USB:
	4 x USB 3.2 Gen2 Type-A
	2 x USB 2.0 Type-A
	» Ethernet:
	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 (up to 4K@30Hz)
	1 x DP 1.4b (up to 4K@60Hz)
	1 x USB-C (up to 4K@60Hz Display, supports 40Gbps data transfer, 15W power delivery)
	» COM Port:
	2 x RS-232 (DB9 with 2.5KV isolation)
	2 x RS-232 (optional)
	2 x RS-422/485 with AFC (DB9 with 2.5KV isolation)
	» DIO: 1 x 12-bit(6-in, 6-out)(optional)
	» 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 (optional)
System	

Cooling method / System Fan	Fanless
	4-pin external system fan connector
Drive Bays	1 x 2.5" SATA 6Gb/s SSD bay
Indicator&Buttons	
Buttons	1 x Power button
	1 x 2-pin terminal block for Remote Power Button
	1 x Reset button
	1 x AT/ATX switch
Indicators	1 x Power LED
	1 x HDD LED
Physical Characteristics	
Construction	Extruded Aluminum alloy
Color	
Color	Black
Dimensions	
Dimensions	190 (W) x 150 (D) x 81 (H) mm
Weight	
Weight	1.6 / 2.4KG
Environment	
Operating Temperature	-20°C ~ 60°C (with SSD)
Humidity	10% ~ 95%, non-condensing
Operating Vibration	MIL-STD-810H 514.8C-I with SSD
Operating Shock	IEC 60068-2-27 half-sine, 5G, 11ms, 100 shocks with SSD
Safety & EMC	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	