

DRPC AIoT Dev. Kit

NEW



Features

- 11th Gen Intel® Core™ i5-1145G7E
- Four 2.5 GbE LAN ports
- Multiple USB 3.2 Gen 2 (10Gb/s)
- Multiple isolated COM ports
- Modulized flexible expansion
- Support Mustang AI accelerator card

intel

Specifications

Model		DRPC AIoT Dev. Kit
Form Factor	Dimensions	190x150x81 mm (DRPC-240AI-i5CS) 190x150x126 mm (DRPC-240AI-i5C)
	System Fan	DRPC-240AI-i5CS: fanless DRPC-240AI-i5C: with fan
Motherboard	CPU	Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad core, TDP 12 ~ 28W)
	Chipset	SoC
	System Memory	2 x SO-DIMM DDR4 3200MHz (8GB pre-installed)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD bay (256GB SSD pre-installed)
I/O Interfaces	USB	2 x USB 3.2 Gen 2 2 x USB 2.0
	Ethernet	1 x RJ-45 PCIe 2.5 GbE by Intel® I225LM 3 x RJ-45 PCIe 2.5 GbE by Intel® I225V (colay i225LM) (Optional PoE at power board)
	COM	2 x RS-232 (DB9 with 2.5KV isolation) 2 x DB9 RS-422/485 with AFC (DB9 with 2.5KV isolation)
	DIO	1 x 12-bit digital I/O (6-in/6-out) (pin header)
	Display	1 x Lockable HDMI (up to 3840 x 2160 @ 30Hz) 1 x DP++ (up to 4096 x 2160 @ 60Hz)
	TPM 2.0	Support Intel PTT
Expansion Slots	M.2	1 x 2230 A-key (PCIex1/USB 2.0) 1 x 3042/52/80 B-key (PCIex2/USB 3.2 Gen1/USB 2.0) with sim slot
	Backplane	1 x PCIe Gen3 x4 (DRPC-240AI-i5C only)
Others	Indicator	2 x LED (HDD, Power)
	Button	1 x Power button 1 x Reset button 1 x AT/ATX switch 1 x Remote power connector
Power	Power Input	3-pin terminal block: 12 ~ 28 VDC
	Remote Power	2-pin terminal block
Reliability	Mounting	DIN-Rail
	Operating Temperature	-20°C ~ 70°C with air flow (SSD)
	Storage Temperature	-40°C ~ 85°C
	Humidity	10% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis
	Operating Vibration	MIL-STD-810G 514.6C-1 (with SSD)
	Weight	1.5 kg/ 2.9 kg (DRPC-240AI-i5CS) 1.9 kg/ 3.3 kg (DRPC-240AI-i5C)
OS	Safety/EMC	CE/ FCC
	Supported OS	Windows 10, Linux

Ordering Information

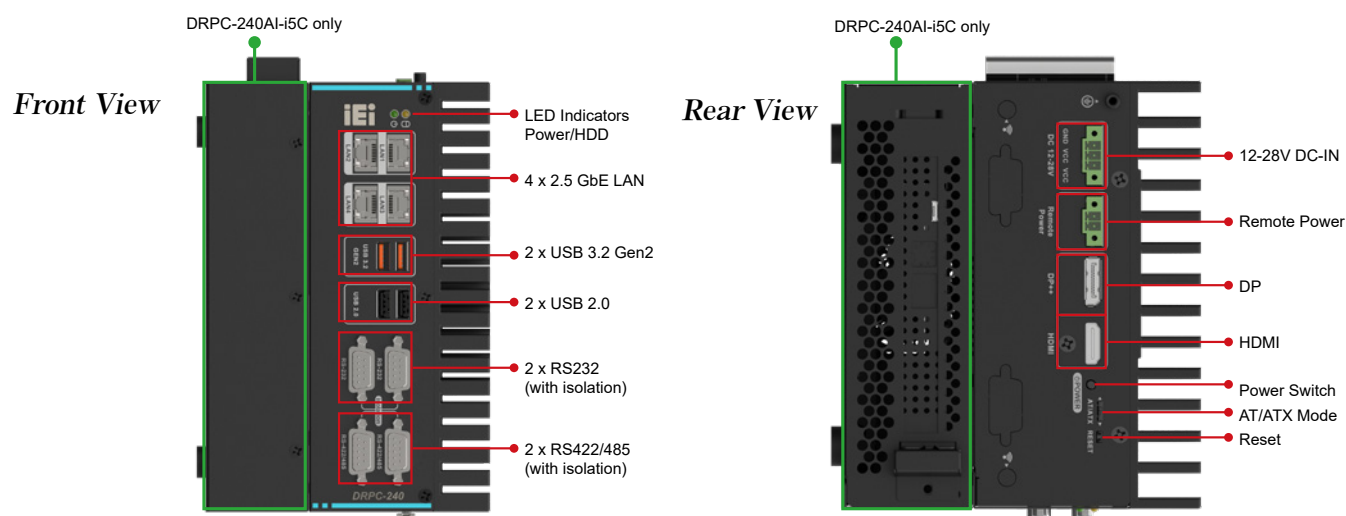
Part No.	Description
DRPC-240AI-i5C-R10	Fanless embedded system, Intel® Tiger Lake-U i5-1145G7E 1.5GHz (quad core), 8GB DDR4 pre-installed, HDMI/DP, 4 x 2.5GbE LAN, 4 x COM, DIO, 12~24VDC, 256GB SSD, 120W power adapter, PCIe x4 expansion layer, RoHS
DRPC-240AI-i5CS-R10	Fanless embedded system, Intel® Tiger Lake-U i5-1145G7E 1.5GHz (quad core), 8GB DDR4 pre-installed, HDMI/DP, 4 x 2.5GbE LAN, 4 x COM, DIO, 12~24VDC, 256GB SSD, 120W power adapter, RoHS

AI Accelerator Card Options

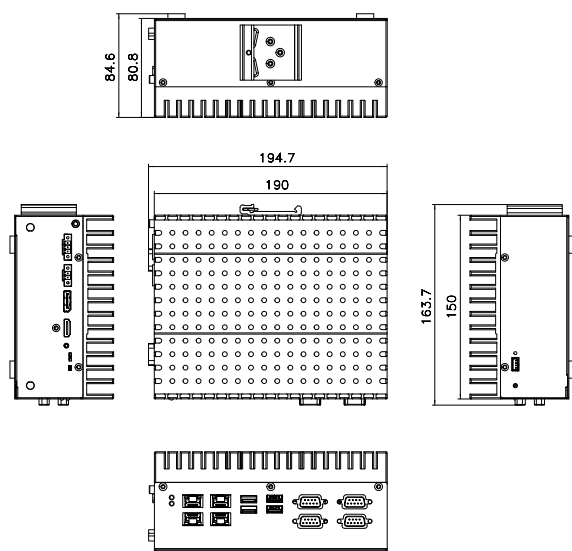
Part No.	Description
Mustang-V100-MX8-R10	Computing Accelerator Card with 8 x Movidius Myriad X MA2485 VPU, PCIe Gen2 x4 interface, RoHS

Packing List

1 x Chassis Screw	1 x DIN-rail Mounting Kit	1 x QSG
1 x 120W Adapter	1 x Power Cord	



DRPC-240AI-i5CS-R10 Dimensions (Unit: mm)



DRPC-240AI-i5C-R10 Dimensions (Unit: mm)

