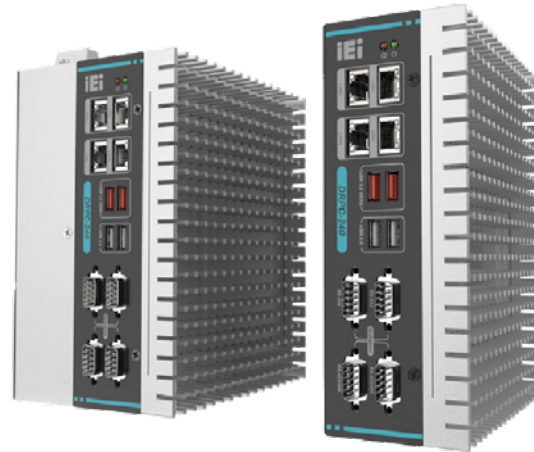


# DRPC AIoT Dev. Kit

## Features

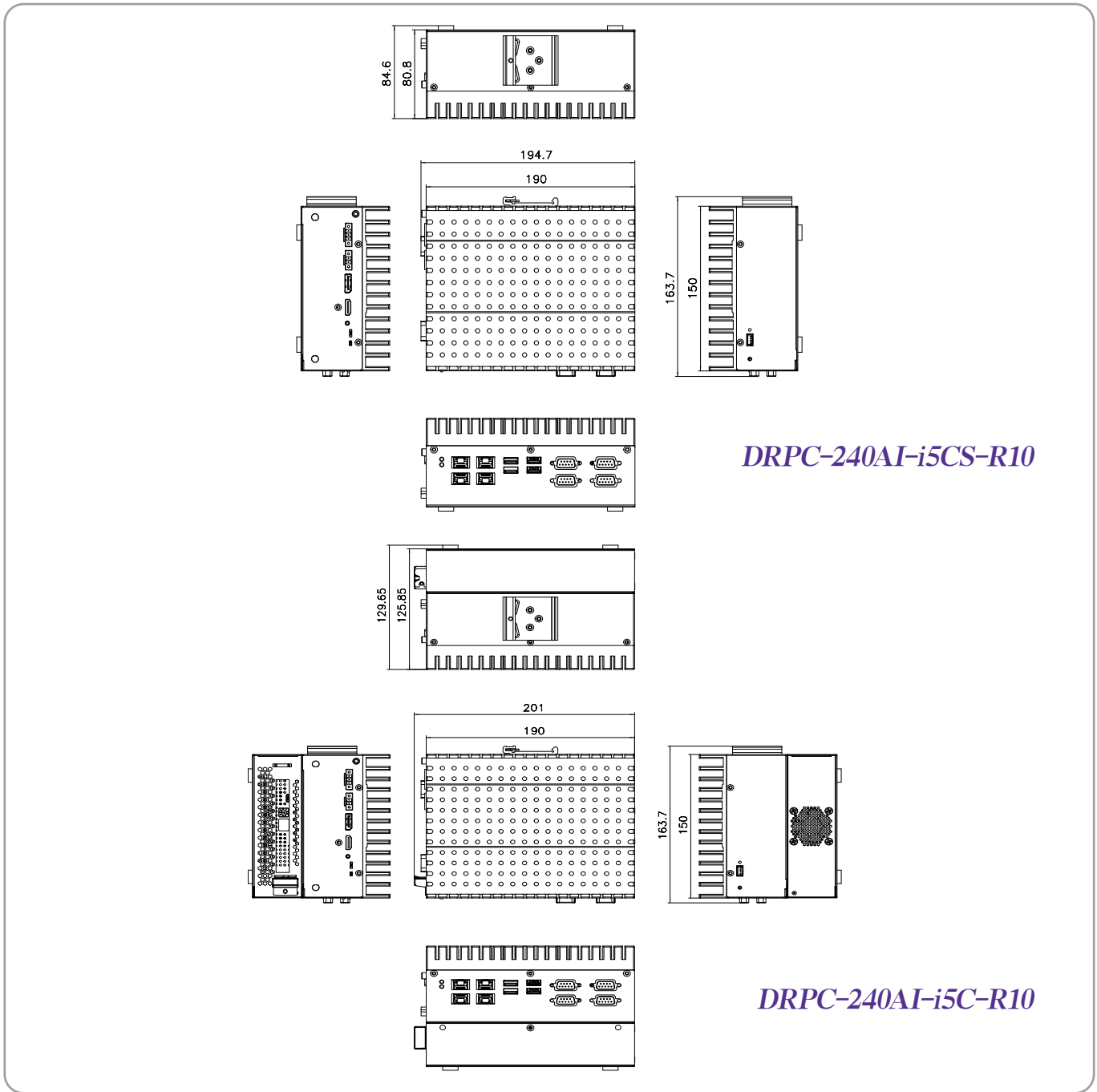
- 11<sup>th</sup> Gen Intel® Core™ i5-1145G7E
- Four 2.5 GbE LAN ports
- Multiple USB 3.2 Gen 2 (10Gb/s)
- Multiple isolated COM ports
- Modulized flexible expansion
- Support Mustang AI accelerator card



## Specifications

Model Name		DRPC AIoT Dev. Kit
Form factor	Dimensions	190x150x81 mm (DRPC-240AI-i5CS) 190x150x126 mm (DRPC-240AI-i5C)
	System fan	Fanless (DRPC-240AI-i5CS) Fan (DRPC-240AI-i5C)
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 3200 (8GB pre-installed)
Storage	Hard drive	1 x 2.5" SATA 6Gb/s HDD/SSD bay (256G SSD pre-installed)
I/O Interfaces	USB	2 x USB3.2 Gen 2 2 x USB2.0
	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) (PoE at power board optional)
	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)
	TPM2.0	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)
Safety/EMC	CE/ FCC	
OS	Supported OS	Windows 10, Linux

Dimensions (Unit: mm)



DRPC-240AI-i5CS-R10

DRPC-240AI-i5C-R10

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, 4x 2.5GbE LAN, 4x COM, DIO, 12~24VDC, 256G SSD, 120W power adaptor, PCIex4 extension 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, 4x 2.5GbE LAN, 4x COM, DIO, 12~24VDC, 256G SSD, 120W power adaptor, 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	