DRPC-230-ULT5

- *Fanless DIN-Rail Embedded System*
- *Intel® Core™ i5-8365UE 1.6GHz (quad core) Solution*

New

Features

- Whiskey Lake Core™ i5-8365UE
- Triple GbE LAN Ports
- Multiple USB 3.2 Gen 2 (10Gb/s)
- Multiple COM Ports
- Modulized Flexible Expansion

Fanless | Triple LAN | RS-232 /422/485 | M.2 | PCIe Mini Expansion | USB 3.2 Gen 2

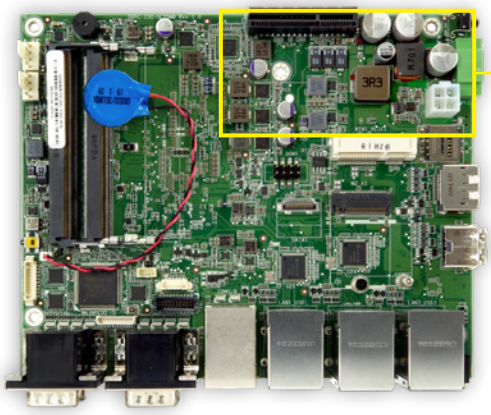
Specifications

Model Name		DRPC-230-ULT5-i5/S	DRPC-230-ULT5-i5	DRPC-230-ULT5-C/S
Chassis	Color	Black and Silver		
	Dimensions (WxDxH)	190 x 150 x 81 mm	190 x 150 x 127 mm	190 x 150 x 81 mm
	System Fan	Fanless		
	Chassis Construction	Extruded aluminum alloy		
Motherboard	CPU	Intel® Core™ i5-8365UE Processor (Whiskeylake-U)		Intel® Whiskey Lake Celeron™ 4205U
	Chipset	SoC		
	System Memory	2 x DDR4 2400Hz SO-DIMM (up to 32GB)		
Storage	SATA	1 x 2.5" SATA 6Gb/s HDD/SSD bay		
I/O Interfaces	USB 3.2 Gen 2	6		4
	USB 2.0	1 by pin header		2
	Ethernet	2 x Intel® I210 GbE LAN (colay Intel® I211) 1 x Intel® I219 GbE LAN		
	COM Port	4 x RS-232/422/485 with AFC (DB9) 2 x RS-232 (RJ-45)		
	Digital I/O	8-bit by pin header		
	Display	1 x Lockable HDMI, 1 x DP		
	TPM 2.0	Pin header		
	Others	1 x Power button 1 x Reset button 1 x AT/ATX switch 1 x LED for power (green) 1 x LED for HDD (yellow)		
Expansions	PCIe Mini	1 x Full-size (PCIe/USB 3.0/SATA)		
	M.2	1 x 2230 A-Key (PCIe/USB 2.0)		1 x 2230 A-Key (PCIe)
	Backplane	1 x PCIe Gen3x4, 1 x USB2.0		-
	SIM	1x On-board SIM slot		
Power	Power Input	3-pin terminal block: 12~24V DC *Reserved internal power (60W)		
	Power Consumption	12V @ 4.98A		
Reliability	Mounting	DIN-Rail		
	Operating Temperature	-20 ~ 60°C		
	Storage Temperature	-40 ~ 85°C		
	Humidity	10 ~ 95% non condensing		
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis, IEC68-2-27		
	Operation Vibration	MIL-STD-810G 514.6C-1 (SSD)		
	Weight (Net/ Gross)	2.9KG/3.2KG	3.2 kg/ 3.5kg	2.9KG/3.2KG
	Safety / EMC	CE, FCC		
	Watchdog timer	Programmable 1~255 sec/min		
OS	Supported OS	Microsoft® Windows 10, Linux		

Expandable Layer

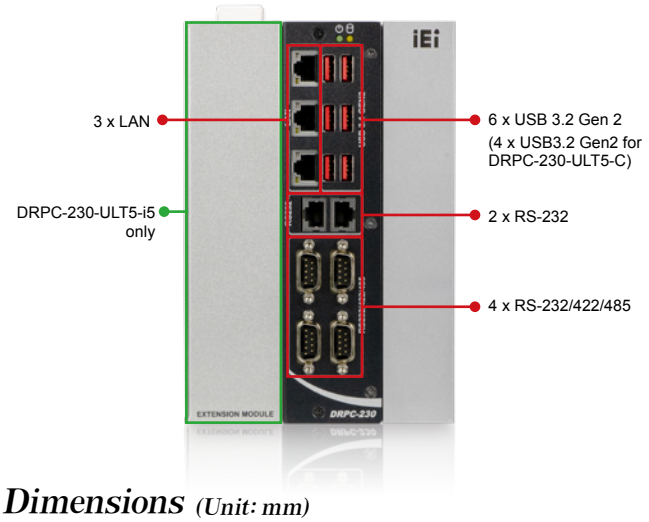
DRPC-230 is designed to achieve AI inference and PoE applications through its expansion feature. The system is compatible with IEI's own accelerator cards (Mustang-V100-MX8, Mustang-V100-MX4) and PoE cards (GPOE-4P, GPOE-2P).

For PoE cards, DRPC-230 has reserved a 60W internal power to provide. DRPC-230 is also possible to expand I/O through the second layer; its modularized flexibility could best fit users' preferences.

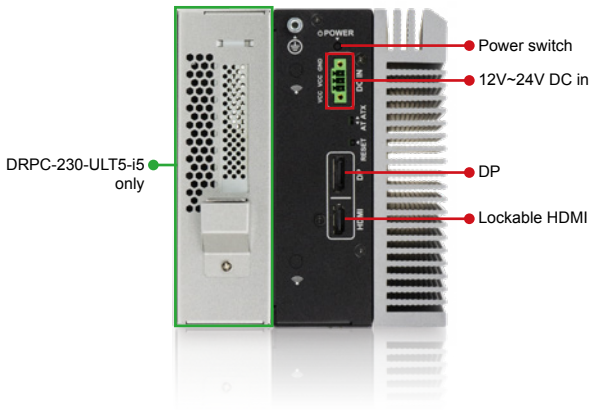


Fully Integrated I/O

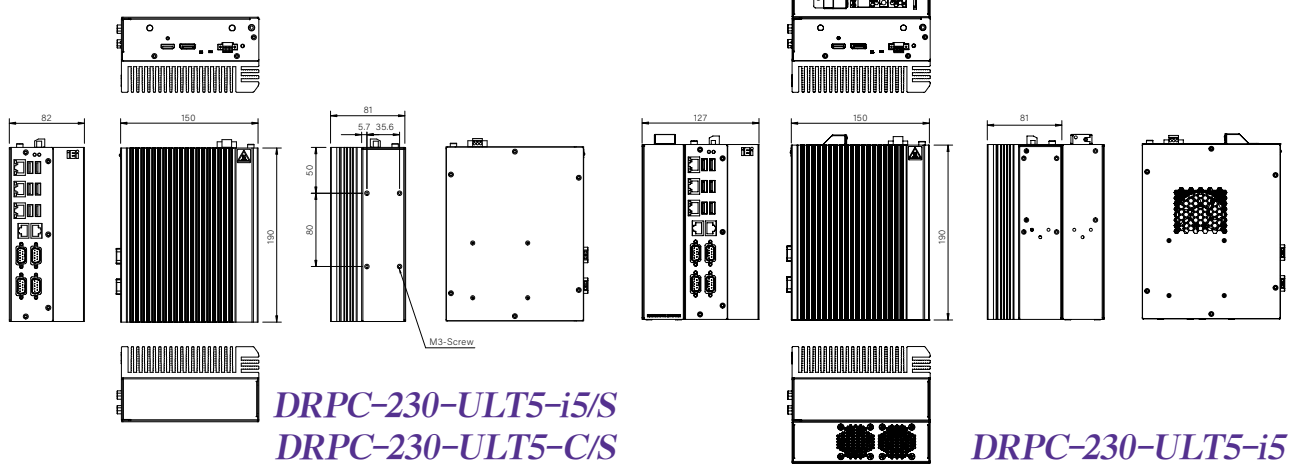
Front View



Top View



Dimensions (Unit: mm)



DRPC-230-ULT5-i5/S
DRPC-230-ULT5-C/S

DRPC-230-ULT5-i5

Ordering Information

Part No.	Description
DRPC-230-ULT5-i5/8G/S-R10	Fanless embedded system, Intel® Whiskey Lake i5-8365UE 1.6GHz (quad core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP, 3 PCIe GbE, 6 COM, 12~24V DC and RoHS
DRPC-230-ULT5-i5/8G-R10	Fanless embedded system, Intel® Whiskey Lake i5-8365UE 1.6GHz (quad core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP, 3 PCIe GbE, 6 COM, 12~24V DC, PCIe x4 expansion layer and RoHS
DRPC-230-ULT5-C/8G/S-R10	Fanless embedded system, Intel® Whiskey Lake Celeron™ 4205U 1.8GHz (dual core, TDP 15W), 8GB DDR4 pre-installed memory, HDMI/DP, 3 PCIe GbE LAN, 6 COM, 12~24V DC and RoHS

Options

Item	Part No.	Description
Adapter*	63040-010060-210-RS	Adapter Power;FSP;FSP060-DHAN3;9NA0608010;;Vin:90~264VAC;60W;Dim:62.0*110*31.5mm;Plug=7.5mm;Cable=1200mm;Erp(NO LOAD 0.21W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Power cable*	32102-026500-100-RS	WIRE CABLE;POWER CABLE;;2;200MM;18AWG;(A)DC JACK 5.5X2.5, NUT+WASHER ;(B)TERMINAL BLOCK:3P P=3.5;;;;;;;;;;;;;SHANGHAI YING YU;RoHS
RJ45 to D-SUB cable	32005-004600-200-RS	ROUND CABLE;RS-232/422/485;RS-232 CABLE;2;300MM;26AWG;(A)D-SUB 9P MALE+4#40 Screw;(B)RJ45 8P8C PLUG, Iron+Sheathed;;;;;;;;;;;;Wins Precision;RoHS
Wifi module	27319-000009-RS	Wireless Lan Module;Wireless LAN & Bluetooth M.2 Module;Sparklan;R9701810011;IEEE802.11a/b/g/n/ac;2.412GHz~2.4835GHz, 5.15GHz~5.85GHz;M.2 2230;.;3.3V;22*30*2.15mm;QCNFA364A;QCA6174A-5;2x2 MIMO;Dual Band;WCBN808A-Q2;CCL;CCL;RoHS
TPM Module	TPM-IN03-R10	20-pin Infineon SPI TPM2.0 module, software mangement tool, firmware V7.63
Accelerator cards**	Mustang-V100-MX8	Computing Accelerator Card with 8 x Movidius Myriad X MA2485 VPU, PCIe gen2 x4 interface, RoHS
	Mustang-V100-MX4	Computing Accelerator Card with 4 x Intel® Movidius™ Myriad™ X MA2485 VPU, PCIe Gen2 x2 interface, RoHS
PoE cards**	GPOE-4P-R20	PCI Express Power over Ethernet card, 4-port 1000 Base(T), 802.3at/af compliant, low profile, RoHS
	GPOE-2P-R20	PCI Express Power over Ethernet card, 2-port 1000 Base(T), 802.3at compliant, low profile, RoHS

* It is required to order Power Cable together with Adapter for power usage
** Only applicable for DRPC-230-ULT5-i5/8G-R10

Packing List

1 x Din-rail mounting kit	1 x Screw kit