

# DRPC-240-TGL-U

- Fanless DIN-Rail Embedded System
- Tiger Lake 11<sup>th</sup> Gen Intel® Core™ Solution (up to 4 cores)

## Features

- Supported CPUs:
  - Intel® Celeron® 6305 1.8 GHz (dual-core, 15W TDP)
  - Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, 15W TDP)
  - Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, 15W TDP)
- 4 x 2.5GbE ports, supporting PoE (optional)
- Two RS-232 & two RS-422/485 (with 2.5kV isolation)
- CE/FCC compliant



## Specifications

Model Name	DRPC-240-TGL-U-i7CS-R10	DRPC-240-TGL-U-i5CS-R10	DRPC-240-TGL-U-CCS-R10	
Chassis	Color	Black		
	Dimensions (WxDxH) (mm)	81 x 150 x 190		
	System Fan	Fanless		
	Chassis Construction	Extruded aluminum alloys		
Motherboard	CPU	Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W)	Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W)	Intel® Celeron® 6305 1.8 GHz (dual-core, TDP 15W)
	Chipset	SoC		
	Memory	2 x SO-DIMM DDR4 3200 MHz (8 GB pre-installed) (up to 64GB)		
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD/SSD bay		
I/O Interfaces	USB	2 x USB 3.2 Gen 2 2 x USB 2.0		
	Ethernet	4 x RJ-45: 1 x 2.5GbE by Intel® I225LM 3 x 2.5GbE by Intel® I225V (colay I225LM) * Support optional PoE af module		
	Port	2 x RS-422/485 with AFC (DB-9, with 2.5kV isolation) 2 x RS-232 (DB-9, with 2.5kV isolation)		
	Digital I/O	12-bit Digital I/O (6-in/ 6-out)		
	Display	1 x HDMI (up to 3840 x 2160@30Hz) 1 x DP++ (up to 4096 x 2304@60Hz)		
	Wireless	1 x 802.11a/b/g/n/ac (optional)		
	TPM	Support Intel PTT		
	Others	1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow), 4-pin external system fan connector		
Expansions	M.2	1 x 2230 A-key (PCIe x1/USB 2.0) 1 x 3042/52/80 B-key (PCIe x2/USB 3.0/USB 2.0)		
	Backplane	1 x PCIe Gen 3 x4 (optional)		
Power	Power Input	Terminal block: 12 ~ 28V DC		
	Power Consumption	12V @ 6.98A (Intel® Core™ i5-1145G7E with 8GB memory)		
Reliability	Mounting	DIN-Rail		
	Operating Temperature	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing		
	Storage Temperature	-40°C ~ 85°C, 10% ~ 95% non-condensing		
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)		
	Operating Vibration	MIL-STD-810G 514.6C-1 (SSD)		
	Weight (Net/Gross)	2.15/2.5 kg		
	Safety/EMC	CE/ FCC		
	Watchdog Timer	Programmable 1 ~ 255 sec/min		
OS	Supported OS	Microsoft® Windows 10 / Windows 11, Linux		

### **Built-in 11<sup>th</sup> Gen Intel® CPU**

It is powered by 11<sup>th</sup> Gen Intel® Core™ i7/i5 or Celeron® processor (FCBGA 1449) to unleash optimal performance and multitasking capability.

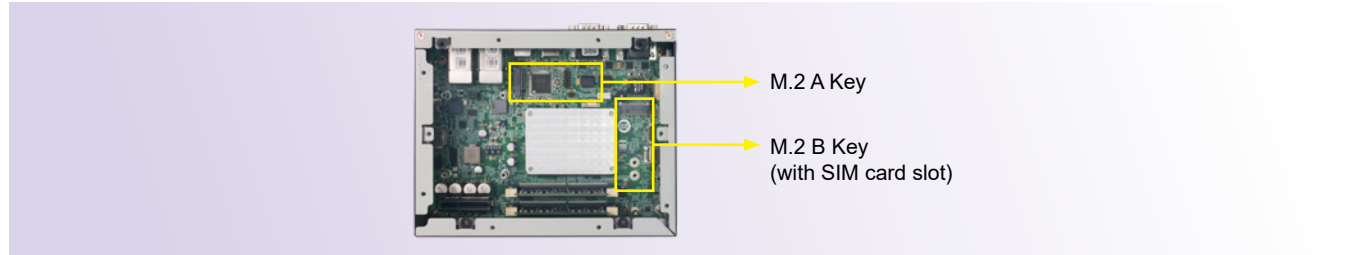
### **Built-in Intel® I225-LM (V) 2.5GbE Controllers**

Four RJ-45 Ethernet ports on the I/O panel through Intel® I225-V GbE controllers provide up to 2.5G network transmission rate, and support optional PoE modules.

### **USB 3.2 Gen 2 Ports, up to 10Gb/s**

### **Internal M.2 Expansion**

The system motherboard has one M.2 A key slot and one M.2 B key slot. The A key slot supports Wi-Fi or Bluetooth expansion; the B key slot (with SIM card holder) can support 4G modules or accelerator cards.

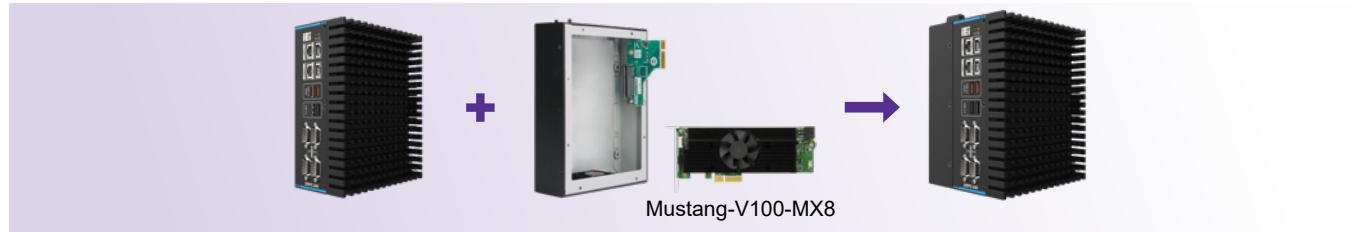


### **Optional PoE Module**



### **Support Chassis Expansion**

The expansion chassis provides one PCIe x4 slot for IEI Mustang accelerator card.



### **External Fan**

Installing an external fan helps to increase system performance in harsh environment.



### **Support DIN-rail Mount**

