

# DRPC-W-TGL-U

■ Fanless DIN-Rail Embedded System

■ Tiger Lake 11<sup>th</sup> Gen Intel® Celeron™ Solution (up to 4 cores)

**Preliminary**



## Features

- Supported 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® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W)
  - Intel® Celeron™ 6305 1.8 GHz (dual-core, TDP 15W)
- Support dual independent display
- 2 x 2.5GbE ports
- 1 x M.2 A Key
- 1 x M.2 B Key (with SIM card slot)



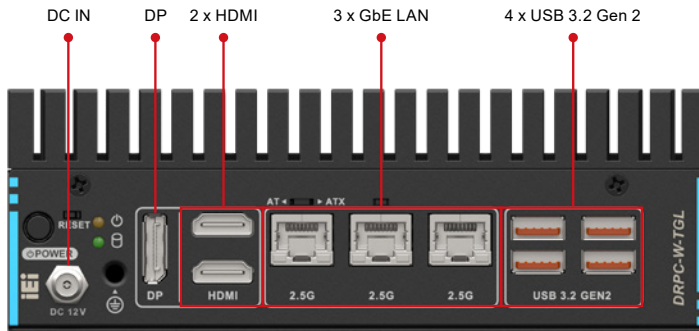
External fan module

## Specifications

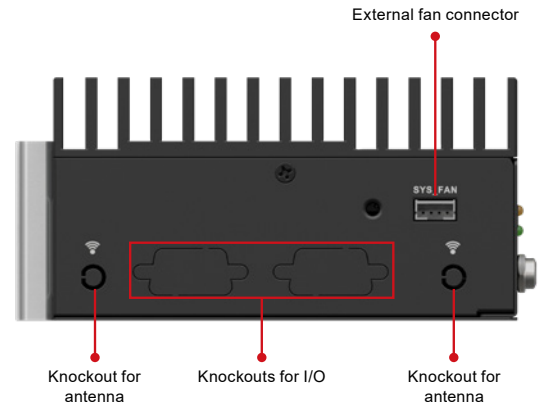
Model Name		DRPC-W-TGL-U-i7C-R10	DRPC-W-TGL-U-i5C-R10	DRPC-W-TGL-U-i3C-R10	DRPC-W-TGL-U-CC-R10
Chassis	Color	Black			
	Dimensions (WxDxH) (mm)	176 x 116 x 67.8			
	System Fan	Fanless			
	Chassis Construction	Extruded aluminum alloys			
Motherboard	CPU	Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W)	Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W)	Intel® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W)	Intel® Celeron™ 6305 1.8 GHz (dual-core, TDP 15W)
	Chipset	SoC			
	Memory	1x DDR4 3200MHz SO-DIMM (pre-installed 8GB) (up to 32GB)			
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD bay			
IO Interfaces	USB	4 x USB 3.2			
	LAN	3 x 2.5GbE			
	Display	1 x DP, 2 x HDMI			
	Others	1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector			
Internal Expansions	PCIe Mini	N/A			
	M.2	1 x M.2 A Key 2230 for WIFI & BT (optional) 1 x M.2 B Key (PCIe x2) 3042/3052 w/SIM slot for 5G (optional)			
Power	Power Input	12V DC			
	Power Consumption	12V@4.1A (Intel i5-1145G7E With 8GB DDR4 Memory)			
Reliability	Mounting	DIN-Rail			
	Operating Temperature	-20°C ~ 60°C with airflow, 10% ~ 95% non-condensing			
	Storage Temperature	-30°C ~ 85°C, 10% ~ 95% non-condensing			
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis			
	Operating Vibration	MIL-STD-810F 514.5C-2			
	Weight (Net/Gross)	0.98/1.2 Kg			
	Safety/EMC	CE/FCC			
	Watchdog Timer	Programmable 1 ~ 255 sec/min			
OS	Supported OS	Microsoft® Windows 10 / 11, Linux			

## Fully Integrated I/O

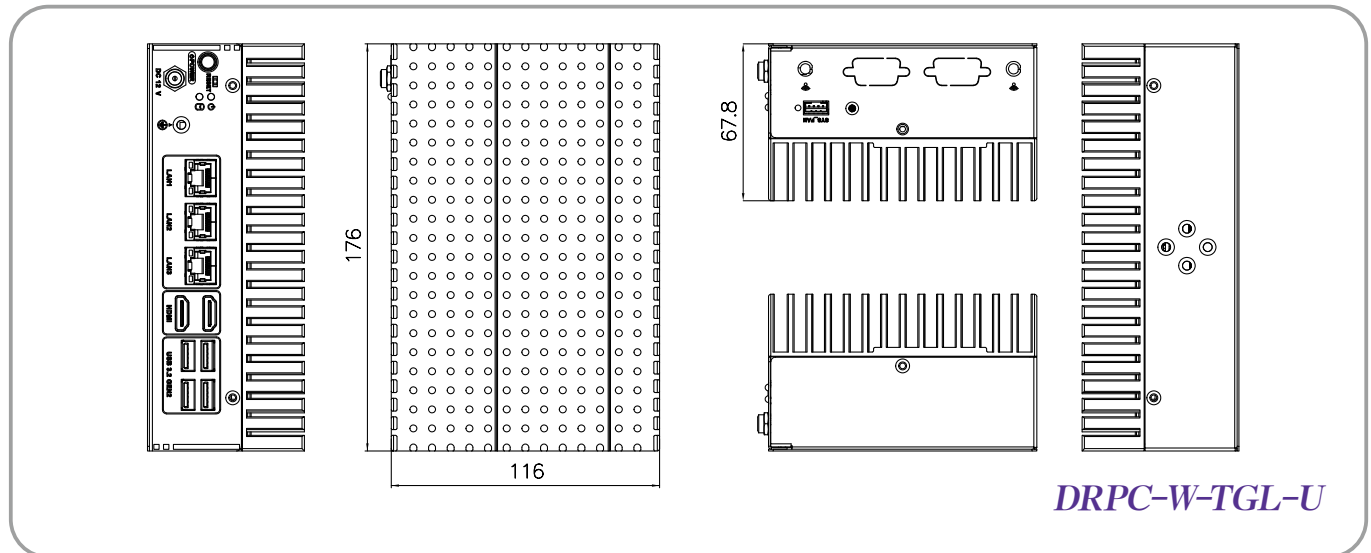
Front View



Top View



## Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
DRPC-W-TGL-U-CC-R10	Fanless System with Intel® Tiger Lake-U Celeron™ 6305 1.8 GHz (dual core, TDP 15W), 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i3C-R10	Fanless System with Intel® Core™ Tiger Lake-U i3-1115G4E 2.2 GHz (quad core, TDP 15W), 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i5C-R10	Fanless System with Intel® Core™ i5-1145G7E up to 4.1 GHz TDP 28/15/12W, 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i7C-R10	Fanless System with Intel® Tiger Lake-U i7-1185G7E 1.8 GHz (quad core, TDP 15W), 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS

## Options

Item	Part No.	Description
Adapter	63040-010060-211-RS	Adapter Power;FSP:FSP060-DHAN3;9NA0608097;;Vin:90~264VAC;60W;Dim:62.0*110*31.5mm;Plug=7.5mm;Cable=1 200mm;Erp(NO LOAD 0.21W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS
Wifi Kit	EMB-WIFI-KIT0213-R10	2T2R M.2 wifi module kit for embedded system, IEEEE802.11a/b/g/n/ac/ax, 1 x M.2 AE Key Wireless LAN & Bluetooth 5.2;Intel;AX210.NGWG Module, 2 x RF cable, 2 x Antenna; RoHS
Fan Kit	SF-DRPC-W-R10	External fan for DRPC-W Series
COM Cable	32205-002700-200-RS	FLAT CABLE;RS-232/422/485;RS-232 CABLE;2:200MM;28AWG;300V;(A)D-SUB 9P MALE;(B)DU PONT 2*5P P=2.0 FEAMLE;,,,,,,;ONE PCS PKG W/ LABEL;32200-000049-RS SUBSTITUTE;;;Wins Precision;RoHS

## Packing List

1 x DIN-rail mounting kit	1 x Screw pack	1 x SATA cable with power cable
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