

DRPC-W-TGL

■ Fanless DIN-Rail Embedded System

■ Tiger Lake 11th Gen Intel® Solution (up to 4 cores)



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® 6305/6305E 1.8 GHz (dual-core, TDP 15W)
- Support three independent display
- 3 x 2.5GbE ports
- 1 x M.2 A Key
- 1 x M.2 B Key (with SIM card slot)



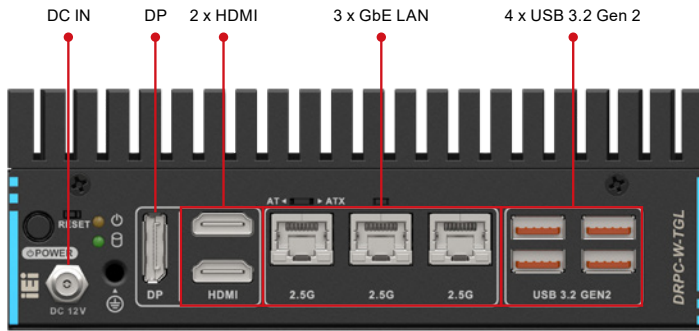
External fan module

Specifications

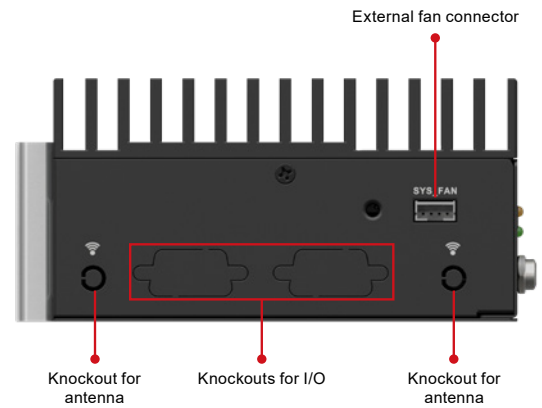
Model Name		DRPC-W-TGL-U-i7C-R10	DRPC-W-TGL-U-i5C-R10	DRPC-W-TGL-U-i3C-R10	DRPC-W-TGL-U-C(E)C-R10
Chassis	Color	Black			
	Dimensions (WxDxH) (mm)	176 x 116 x 67.8			
	System Fan	Fanless			
	Chassis Construction	Extruded aluminum alloys			
Motherboard	CPU	Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, 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® 6305/6305E 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	LAN1: Intel® I225V 2.5GbE (I225-LM for i5/i7 SKU) LAN2/3: Intel® I225V 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, 1 x AT/ATX Switch			
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, 100 shocks per axis			
	Operating Vibration	10-500 Hz, 1.04 Grms, random, 1 hr/axis			
	Weight (Net/Gross)	0.98/1.2 Kg			
	Safety/EMC	CE, FCC, UKCA			
Watchdog Timer	Programmable 1 ~ 255 sec/min				
OS	Supported OS	Microsoft® Windows 10 / 11, Linux			

Fully Integrated I/O

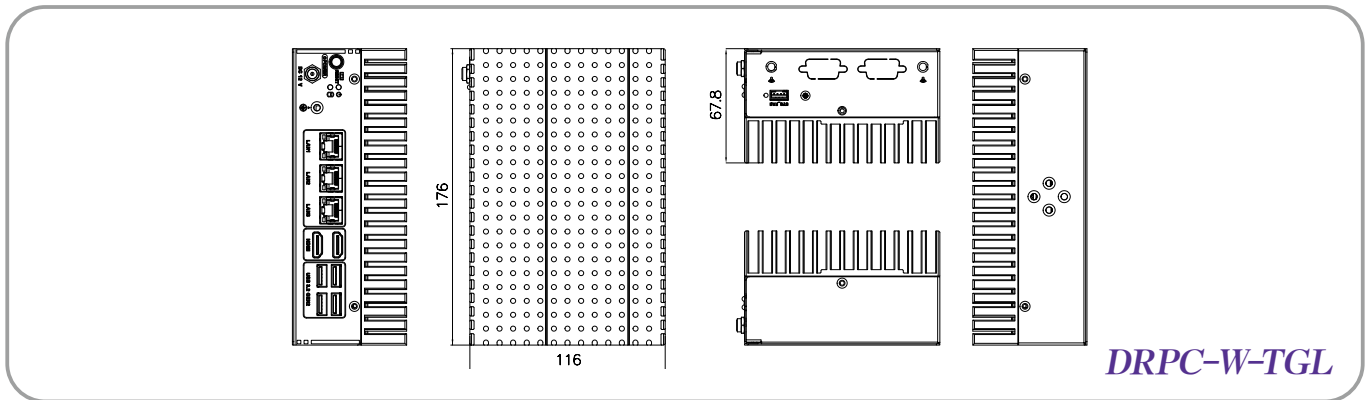
Front View



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 1.8GHz(dual-core, TDP 15W), 3 x 2.5GbE Lan, 2 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-CEC-R10	Fanless System with Intel® Tiger Lake-U Celeron® 6305E 1.8GHz(dual-core, TDP 15W), 3 x 2.5GbE Lan, 2 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i3C-R10	Fanless System with Intel® Tiger Lake-U Core™ i3-1115G4E 2.2GHz(up to 3.9GHz, dual-core, TDP 15W), 3 x 2.5GbE Lan, 2 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i5C-R10	Fanless System with Intel® Tiger Lake-U Core™ i5-1145G7E 1.5GHz(up to 4.1GHz, quad-core, TDP 15W), 3 x 2.5GbE Lan, 2 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 Core™ i7-1185G7E 1.8GHz(up to 4.4GHz, quad-core, TDP 15W), 3 x 2.5GbE Lan, 2 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-W10IoT21-H-R10	OS Image with Windows® 10 Enterprise High End 64-bit 2021 LTSC for DRPC-W-TGL i7 Series, with DVD-ROM, RoHS
DRPC-W-TGL-W10IoT21-V-R10	OS Image with Windows® 10 Enterprise Value 64-bit 2021 LTSC for DRPC-W-TGL Celeron, i3&i5 Series, with DVD-ROM, 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=1200mm;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, IEEE802.11a/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-15-R10	External fan for DRPC-W Series, For 15W heat dissipation solution
COM Cable	32205-005401-100-RS	RS-232/422/485 CABLE; 250mm;;(A)D-SUB 9P MALE;;(B)DU PONT 2*5P P=2.0 FEMALE
GPIO Cable	32031-000600-100-RS	ROUND CABLE;DIO CABLE;;2;150mm;;28AWG;300V;;(A)D-SUB 15P MALE;;(B)DU PONT 2x7P P=2.0 FEMALE
VGA Kit	iDPM-VGA-R10	eDP to VGA Connector converter board (For IEI Display Module)

Packing List

1 x DIN-rail mounting kit

1 x Screw pack

1 x SATA cable with power cable