

DRPC-W Series

- High-Performance 6th/7th Generation Intel® Core™ Processor
- Fanless Embedded Computer

Preliminary



Features

- Supported motherboard: WAFER-JL / WAFER-TGL-U / WAFER-EHL
- DC power input
- Support 2.5" HDD/SSD
- RoHS compliant



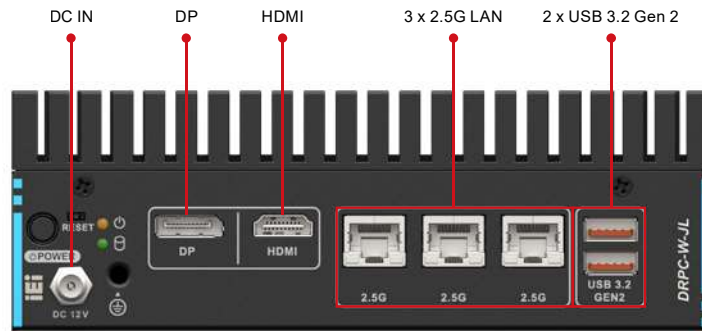
External fan module

Specifications

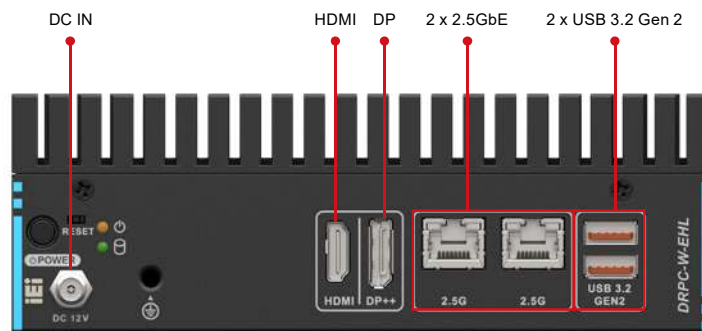
Model Name		DRPC-W-JL	DRPC-W-EHL	DRPC-W-TGL
Chassis	Color	Black		
	Dimensions (WxDxH) (mm)	176 x 116 x 60.8 mm		176 x 116 x 67.8 mm
	System Fan	Fanless		
	Chassis Construction	Extruded aluminum alloys		
Motherboard	CPU	Intel® Jasper Lake Celeron® N5105	Intel® Atom™ 6000 series (Elkhart Lake platform) Intel® Celeron® J6413 on-board SoC (up to 3.0GHz, quad-core, TDP=10W) Non-PSE SKU Intel® Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, TDP=10W)	Intel® Core™ i5-1145G7E (up to 4.1GHz, quad-core, TDP=28/15/12W) Intel® Celeron® 6305 (up to 1.8GHz, dual-core, TDP=15W)
	Chipset	SoC		
	Memory	1x DDR4 2933MHz SO-DIMM (up to 16GB)	Onboard LPDDR4 8G	1x DDR4 3200MHz SO-DIMM (up to 64GB)
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD bay		
IO Interfaces	USB	2 x USB3.2	2 x USB3.2	4 x USB3.2
	LAN	3 x 2.5GbE	2 x 2.5Gbe	3 x 2.5GbE
	Display	1 x DP, 1 x HDMI	1 x DP, 1 x HDMI	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	MINI PCIe	N/A	N/A	N/A
	M.2	1 x M.2 slot with A Key 2230 1 x M.2 B Key 3042 /2280 for 5G w/ SIM slot(PCIE)	1 x M.2 A Key for WIFI & BT 2230 1 x M.2 B Key for 5G (PCIe x2) 2242/3052 1 x M.2 B Key 2240/3040 slot (only for IEI M.2 eDP/LVDS module)	1 x M.2 A Key for WIFI & BT 2230 1 x M.2 B Key for 5G (PCIe x2) 2242/3052 1 x M.2 B Key 2240/3040 slot (only for IEI M.2 eDP/LVDS module)
Power	Power Input	12V DC		
	Power Consumption	12V@2.45A (Intel N5105 With 16GB DDR4 Bemory)	12V@2.5A (Intel J6412 With 4GB DDR4 Memory)	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)	0.91/1.16 KG	0.92/1.16 KG	0.98/1.2 KG	
Safety/EMC	CE/FCC			
Watchdog Timer	Programmable 1 ~ 255 sec/min			

Fully Integrated I/O

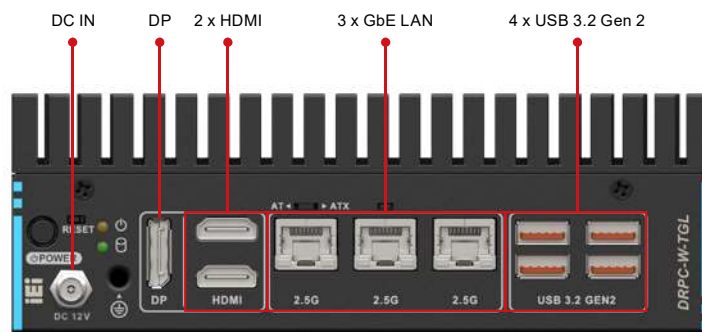
DRPC-W-JL Front View



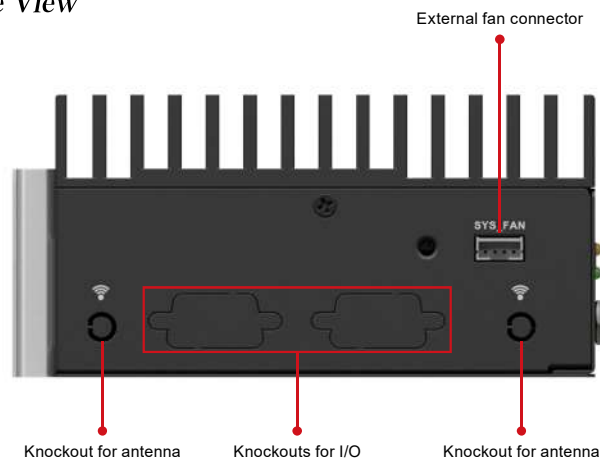
DRPC-W-EHL Front View



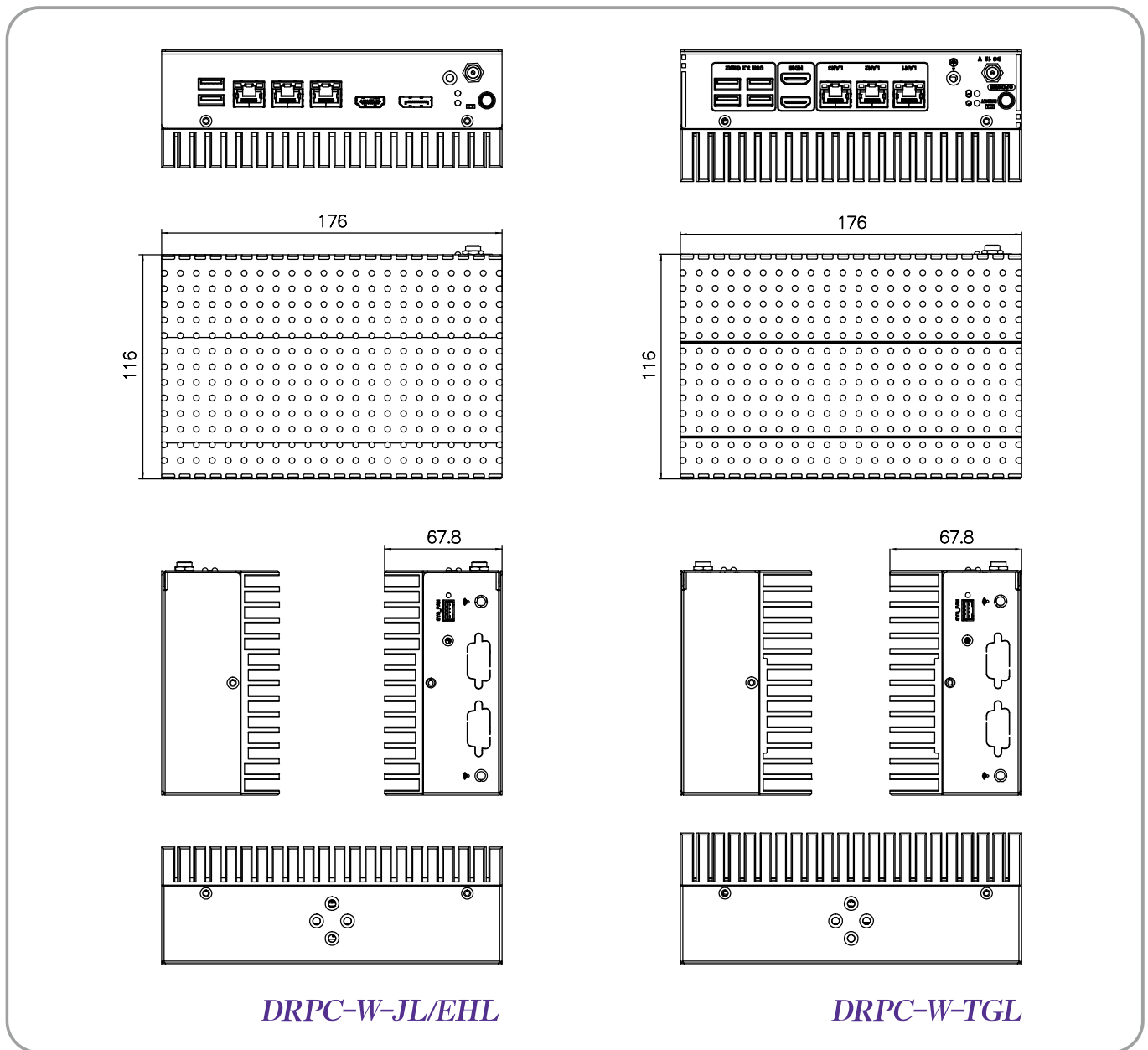
DRPC-W-TGL Front View



DRPC-W-JL/EHL/TGL Side View



Dimensions (Unit: mm)



DRPC-W-JL/EHL

DRPC-W-TGL

Ordering Information

Part No.	Description
DRPC-W-EHL-JC-R10	Fanless System with Intel® Celeron® J6412 up to 2.6GHz TDP 10W, 2 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 1 x 2.5" SATA HDD bay, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-TGL-U-i5C-R10	Fanless System with Intel® Core™ i5-1145G7E up to 4.1GHz TDP 28/15/12W, 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-JL-NC-R10	Fanless System with Intel® Celeron™ N5105 up to 2.9GHz TDP 10W, 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 =1200mm;Erp(NO LOAD 0.21W);Vout: 12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS

Packing List

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