

DRPC-W-JL

- Fanless DIN-Rail Embedded System
- Jasper Lake Intel® Celeron® Solution (up to 4 cores)



Features

- Supported CPU: Intel® Celeron® N5105 2.0 GHz (up to 2.9 GHz, quad-core, TDP 10W)
- Support dual independent display
- 3 x 2.5GbE ports
- 1 x M.2 A Key
- 1 x M.2 B Key (with SIM card slot)



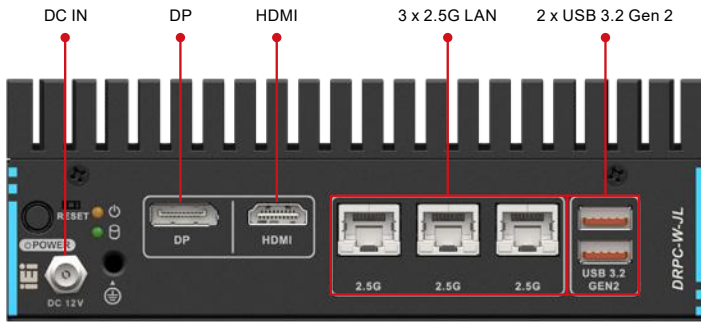
External fan module

Specifications

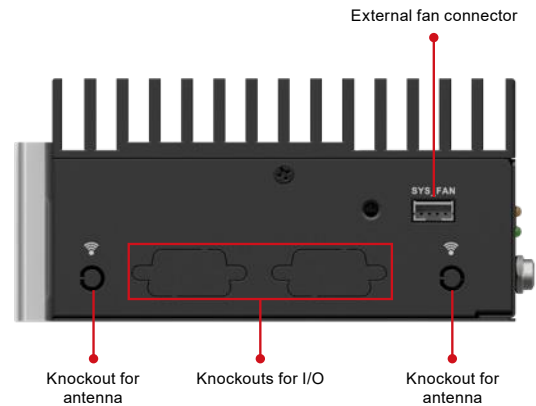
Model Name		DRPC-W-JL
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	176 x 116 x 60.8
	System Fan	Fanless
	Chassis Construction	Extruded aluminum alloys
Motherboard	CPU	Intel® Celeron® N5105 2.0 GHz (up to 2.9 GHz, quad-core, TDP 10W)
	Chipset	SoC
	Memory	1 x DDR4 2933 MHz SO-DIMM (pre-installed 8GB) (up to 16GB)
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD bay
IO Interfaces	USB	2 x USB 3.2
	LAN	3 x 2.5GbE
	Display	1 x DP 1 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 2230 M.2 A Key (PCIe Gen3 x1 & USB 2.0) 1 x 2242/2280 M.2 B Key (PCIe Gen3 x2) 1 x On-board SIM card socket (hinge type) for M.2 B key
Power	Power Input	12V DC
	Power Consumption	12V@2.45A (Intel N5105 with 16GB 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)	0.91/1.16 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

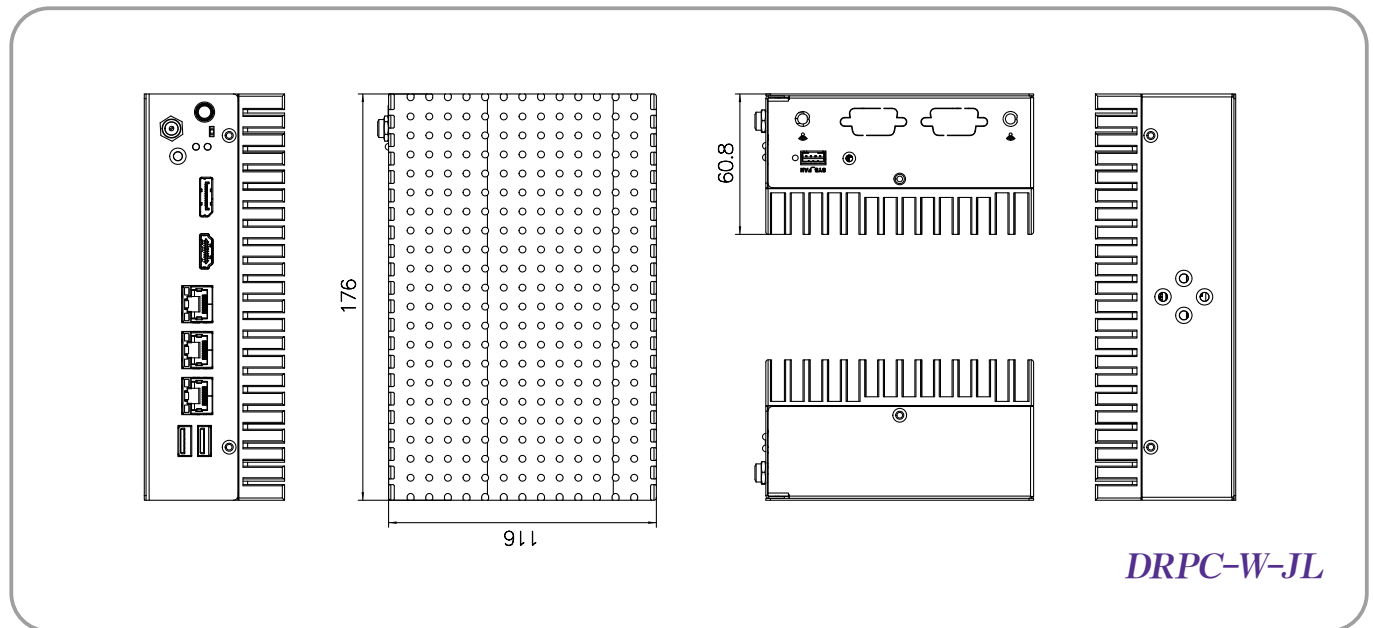
Front View



Top View



Dimensions (Unit: mm)



Ordering Information

Part No.	Description
DRPC-W-JL-NC-R10	Fanless System with Intel® Celeron® N5105 up to 2.9 GHz TDP 10W, 3 x 2.5GbE Lan, 1 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS
DRPC-W-JL-W10IoT21-E-R10	OS Image with Windows® 10 Enterprise Entry 64-bit 2021 LTSC for DRPC-W-JL Celeron 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
Power Cord	32702-000400-200-RS	POWER CORD; EUROPEAN CODE(VDE); 1800MM; (A)PLUG:SH-025(16A/250V); (B) CONNECTOR:C5(SM112,2.5A/250V)
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-R10	External fan for DRPC-W Series
COM Cable	32205-008000-100-RS	RS-232/422/485 CABLE; 250mm; (A)D-SUB 9P MALE,BLUE; (B)MOLEX 51021-0900 P=1.25
GPIO Cable	32031-000600-100-RS	ROUND CABLE;DIO CABLE;;2;150mm;28AWG;300V;(A)D-SUB 15P MALE;(B)DU PONT 2*7P P=2.0 FEMALE

Packing List

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