

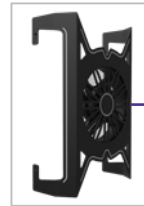
DRPC-W-JL

- 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)



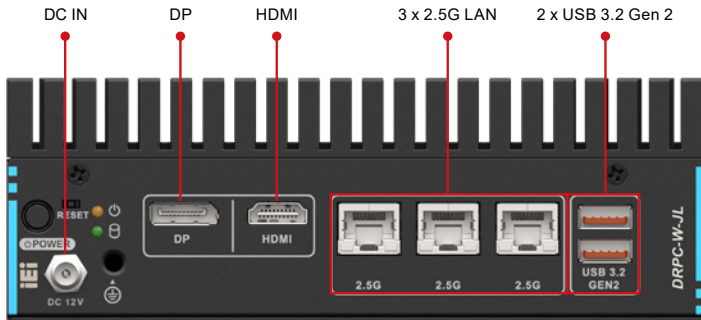
External fan module

Specifications

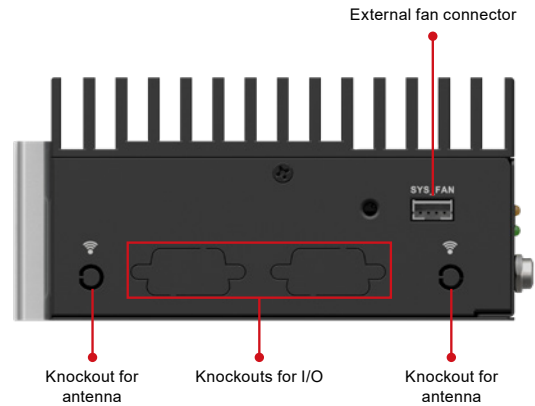
| Model Name | | DRPC-W-JL |
|---------------------|------------------------------|---|
| Chassis | Color | Black |
| | Dimensions (WxDxH) (mm) | 176 x 116 x 60.8 |
| | System Fan | Fanless |
| | Chassis Construction | Extruded aluminum alloys |
| Motherboard | CPU | Intel® Celeron® N5105 2.0 GHz (up 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 M.2 A Key 2230 for WIFI & BT (optional) 1 x M.2 B Key (PCIe x2) 2242/2280 w/SIM slot for 5G (optional) |
| 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

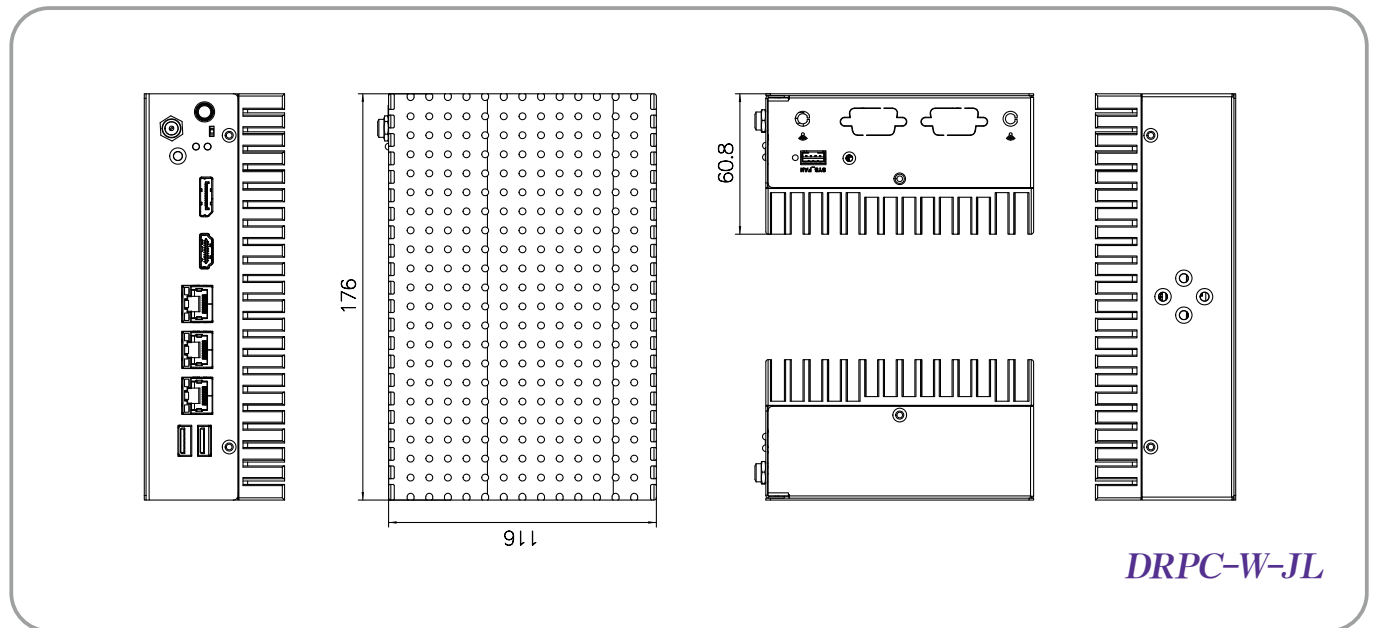
Front View



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 |

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-R10 | External fan for DRPC-W Series |
| COM Cable | 32005-003500-200-RS | ROUND CABLE;RS-232/422/485;RS-232 CABLE;2;250MM;26AWG;(A)D-SUB 9P MALE+HEXAGONAL SCREW;(B) MOLEX 51021-0900 P=1.25;,,,,,,;Wins Precision;RoHS |
| 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 |
|---------------------------|----------------|---------------------------------|