

# DRPC-140-EHL

## Fanless DIN-Rail Embedded System



## Features

- » Fanless system
- » Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W)
- » Four RS232/422/485 Serial port
- » Two isolation CAN Bus interface
- » CE/FCC compliant

## Specifications

| Form factor     |   |
|-----------------|---|
| SBC Form Factor | » Supported CPU:<br>Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W)                             |
|                 | » Chipset: SoC  |
|                 | » System Memory:<br>1 x SO-DIMM DDR4 3200 (8GB pre-installed) (up to 32GB)  |
|                 | » Power:<br>3-pin terminal block: 12-24V DC<br>Consumption: 12V@3.36 (Intel® Celeron® J6412 with 8GB DDR4 Memory) |
| I/O Interface   |   |
| I/O Ports       | » USB:<br>4 x USB 3.2 Gen2  |
|                 | » Ethernet:<br>2 x 2.5 GbE by Intel® I225-V/I226-V controller   |
|                 | » Display:<br>2 x HDMI™ (up to 4K@30Hz)   |
|                 | » COM Port:<br>4 x RS-232/422/485 (DB-9)  |
|                 | » Digital I/O:<br>8-bit Digital I/O (4-in/ 4-out)   |
|                 | » CAN BUS:<br>2 x CAN-bus (DB9 with 2.5kV isolation)  |
|                 | » Wireless:<br>1 x 802.11a/b/g/n/ac (optional)  |
|                 | » TPM:<br>1 x TPM (2 x10 pin)   |
|                 | Intel PTT   |
|                 | » Watchdog Timer:<br>Programmable 1 ~ 255 sec/min   |

| Expansion Slots             |  |
|-----------------------------|--|
| Expansion Slots             | » M.2:   |
|                             | 1 x M.2 A Key 2230 (PCIe Gen3 x1/USB 2.0)                            |
|                             | 1 x M.2 M Key 2280 (PCIe Gen3 x2)                                    |
| System                      |  |
| Cooling method / System Fan | Fanless  |
| Drive Bays                  | eMMC 5.1 (Optional) (MOQ, please contact with sales account manager) |
| Indicator&Buttons           |  |
| Buttons                     | 1 x Power Button   |
|                             | 1 x Reset Button   |
|                             | 1 x AT/ATX Switch  |
| Indicators                  | 1 x LED for Power  |
|                             | 1 x LED for HDD  |
| Physical Characteristics    |  |
| Construction                | Extruded aluminum alloy  |
| Color                       |  |
| Color                       | Black  |
| Dimensions                  |  |
| Dimensions                  | 58.75 x 130 x 174 (mm)   |
| Weight                      |  |
| Weight                      | Net: 1.39kg / Gross: 1.68 kg   |
| Environment                 |  |
| Operating Temperature       | -20°C ~ 60°C with 0.7M/S air flow (M.2)                              |
| Humidity                    | 10% ~ 95% non-condensing   |
| Operating Vibration         | MIL-STD-810G 514.6C-1 (SSD)  |
| Operating Shock             | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)             |
| Safety & EMC                | CE, FCC, UKCA  |
| OS Support                  |  |
| OS Support                  | Microsoft® Windows® 10/11, Linux                                     |

## Ordering Information

|                     |  |
|---------------------|--|
| DRPC-140-EHL-JC-R10 | Fanless embedded system, Intel® Celeron® J6412 2.0GHz, (up to 2.6GHz, 4-Core, TDP 10W), 8GB DDR4 pre-installed memory, 4 x RS-232/422/485, 4 x USB 3.2, 2 x HDMI, 2 x 2.5GbE Lan, 8-bit DIO, 2 x CAN-Bus, 12~24V DC and RoHS |
|---------------------|--|

## Packing List

|                           |                |
|---------------------------|----------------|
| 1 x DIN-rail mounting kit | 1 x Screw pack |
|---------------------------|----------------|