

# DRPC-W-EHL1

Fanless DIN-Rail Embedded System, Intel® Elkhart Lake Atom™ x6000 Series Solution



## Features

- » Support Intel® Elkhart Lake Atom™ x6000 series on-board SoC
- » Support dual independent display
- » High speed I/O interface for USB 3.2 gen 2, SATA 6Gb/s
- » Dual 2.5 GbE LAN with Intel® I225-IT
- » Support one M.2 A key and one M.2 B key slot

## Specifications

| Form factor                 |                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SBC Form Factor             | » Supported CPU:<br>Onboard Intel® Atom™ x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform)<br>Intel® Celeron® x6211E on-board SoC (up to 3.0 GHz, dual-core, 1.5M Cache, TDP=6W)<br>Intel® Celeron® x6413E on-board SoC (up to 3.0 GHz, quad-core, 1.5M Cache, TDP=9W)<br>Intel® Celeron® x6425E on-board SoC (up to 3.0 GHz, quad-core, 1.5M Cache, TDP=12W) |
|                             | » Chipset:<br>SoC                                                                                                                                                                                                                                                                                                                                                                |
|                             | » System Memory:<br>Onboard LPDDR4X 3200MHz 8G (up to 16GB)                                                                                                                                                                                                                                                                                                                      |
|                             | » Power:<br>Power Input:12V ~ 28V DC                                                                                                                                                                                                                                                                                                                                             |
|                             | » Power consumption:<br>12V@3.65A ( Intel x6425E with 8GB LPDDR4X )                                                                                                                                                                                                                                                                                                              |
| I/O Interface               |                                                                                                                                                                                                                                                                                                                                                                                  |
| I/O Ports                   | » USB:<br>2 x USB 3.2 Gen 2                                                                                                                                                                                                                                                                                                                                                      |
|                             | » Ethernet:<br>2 x 2.5 GbE by Intel® I225-IT                                                                                                                                                                                                                                                                                                                                     |
|                             | » Display:<br>1 x HDMI<br>1 x DP                                                                                                                                                                                                                                                                                                                                                 |
|                             | » TPM:<br>Support Intel PTT                                                                                                                                                                                                                                                                                                                                                      |
|                             | » Watchdog Timer:<br>Programmable 1 ~ 255 sec/min                                                                                                                                                                                                                                                                                                                                |
| Expansion Slots             |                                                                                                                                                                                                                                                                                                                                                                                  |
| Expansion Slots             | » M.2:<br>1 x 2230 M.2 A Key (PCIe Gen3 x2 & USB 2.0)<br>1 x 3042 M.2 B Key (PCIe Gen3 x2 & USB 2.0)                                                                                                                                                                                                                                                                             |
| System                      |                                                                                                                                                                                                                                                                                                                                                                                  |
| Cooling method / System Fan | Fanless                                                                                                                                                                                                                                                                                                                                                                          |
|                             | 4-pin external system fan connector                                                                                                                                                                                                                                                                                                                                              |
| Drive Bays                  | 1 x 2.5" SATA 6Gb/s HDD/SSD bay                                                                                                                                                                                                                                                                                                                                                  |
| Indicator&Buttons           |                                                                                                                                                                                                                                                                                                                                                                                  |

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Buttons                  | 1 x Power button                                   |
|                          | 1 x Reset button                                   |
|                          | 1 x clear cmos button                              |
| Indicators               | 1 x Power LED                                      |
|                          | 1 x HDD LED                                        |
| Physical Characteristics |                                                    |
| Construction             | Extruded aluminum alloy                            |
| Color                    |                                                    |
| Color                    | Black                                              |
| Dimensions               |                                                    |
| Dimensions               | 176 x 116 x 60.8 (mm)                              |
| Weight                   |                                                    |
| Weight                   | 1.03 Kg                                            |
| Environment              |                                                    |
| Operating Temperature    | -20°C ~ 70°C with air flow                         |
| Humidity                 | 10% ~ 95% non-condensing                           |
| Operating Vibration      | Half-sine wave shock 5G, 11ms, 100 shocks per axis |
| Operating Shock          | 10-500 Hz, 1.04 Grms, random, 1 hr/axis            |
| Safety & EMC             | CE/FCC compliant                                   |
| OS Support               |                                                    |
| OS Support               | Microsoft Windows 10 / Windows 11, Linux           |

## Ordering Information

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRPC-W-EHL1-x6425EC-R10 | Fanless System with onboard Intel® Celeron® x6425E processor, 2 x 2.5GbE Lan, 2 x USB 3.2 Gen2, 1 x HDMI, 1 x DP, 1 x 2.5" SATA HDD bay, onboard LPDDR4X 3200MHz 8G memory, 12-28V DC, RoHs |
| DRPC-W-EHL1-x6413EC-R10 | Fanless System with onboard Intel® Celeron® x6413E processor, 2 x 2.5GbE Lan, 2 x USB 3.2 Gen2, 1 x HDMI, 1 x DP, 1 x 2.5" SATA HDD bay, onboard LPDDR4X 3200MHz 8G memory, 12-28V DC, RoHs |
| DRPC-W-EHL1-x6211EC-R10 | Fanless System with onboard Intel® Celeron® x6211E processor, 2 x 2.5GbE Lan, 2 x USB 3.2 Gen2, 1 x HDMI, 1 x DP, 1 x 2.5" SATA HDD bay, onboard LPDDR4X 3200MHz 8G memory, 12-28V DC, RoHs |

## Packing List

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