

# DRPC-W-TGL

Fanless DIN-Rail Embedded System Tiger Lake 11th Gen Intel® Celeron® Solution (up to 4 cores)



## Features

### » Supported CPU:

Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W)

Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W)

Intel® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W)

Intel® Celeron® 6305/6305E 1.8 GHz (dual-core, TDP 15W)

### » Support three independent display

### » 3 x 2.5GbE ports

### » 1 x M.2 A Key

### » 1 x M.2 B Key (with SIM card slot)

### » CE/FCC compliant

## Specifications

| Form factor     |                                                                     |
|-----------------|---------------------------------------------------------------------|
| SBC Form Factor | » Supported CPU:                                                    |
|                 | Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W) |
|                 | Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W) |
|                 | Intel® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W) |
|                 | Intel® Celeron® 6305/6305E 1.8 GHz (dual-core, TDP 15W)             |
|                 | » Chipset:                                                          |
|                 | SoC                                                                 |
|                 | » System Memory:                                                    |
|                 | 1 x DDR4 3200MHz SO-DIMM (pre-installed 8GB) (up to 32GB)           |
|                 | » Power:                                                            |
|                 | DC Jack: 12 V DC                                                    |
|                 | » Consumption: 12V@4.1A (Intel i5-1145G7E With 8GB DDR4 Memory)     |
| I/O Interface   |                                                                     |
| I/O Ports       | » USB:                                                              |
|                 | 4 x USB 3.2 Gen 2                                                   |
|                 | » Ethernet:                                                         |
|                 | LAN1: Intel® I225V 2.5GbE (I225-LM for i5/i7 SKU)                   |
|                 | LAN2/3: Intel® I225V 2.5GbE                                         |
|                 | » Display:                                                          |
|                 | 2 x HDMI™                                                           |
|                 | 1 x DP                                                              |
|                 | » TPM:                                                              |
|                 | Support Intel PTT                                                   |
|                 | » Watchdog Timer:                                                   |
|                 | Programmable 1 ~ 255 sec/min                                        |
| Expansion Slots |                                                                     |
| Expansion Slots | » M.2:                                                              |
|                 | 1 x M.2 A Key 2230 for WIFI & BT (optional)                         |

|                             |                                                                |
|-----------------------------|----------------------------------------------------------------|
|                             | 1 x M.2 B Key (PCIe x2) 3042/3052 w/SIM slot for 5G (optional) |
| 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                                               |
| Indicators                  | 1 x Power LED                                                  |
|                             | 1 x HDD LED                                                    |
| Physical Characteristics    |                                                                |
| Construction                | Extruded aluminum alloy                                        |
| Color                       |                                                                |
| Color                       | Black                                                          |
| Dimensions                  |                                                                |
| Dimensions                  | 176 x 116 x 67.8 (mm)                                          |
| Weight                      |                                                                |
| Weight                      | 0.98/1.2 Kg                                                    |
| Environment                 |                                                                |
| Operating Temperature       | -20°C ~ 60°C with air flow                                     |
| Humidity                    | 10% ~ 95% non-condensing                                       |
| Operating Vibration         | 10-500 Hz, 1.04 Grms, random, 1 hr/axis                        |
| Operating Shock             | Half-sine wave shock 5G, 11ms, 100 shocks per axis             |
| Safety & EMC                | CE/FCC compliant                                               |
| OS Support                  |                                                                |
| OS Support                  | Microsoft Windows 10 / Windows 11, Linux                       |

## Ordering Information

|                      |                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRPC-W-TGL-U-i7C-R10 | Fanless System with Intel® Tiger Lake-U Core™ i7-1185G7E 1.8GHz (up to 4.4GHz, quad-core, TDP 15W), 3 x 2.5GbE Lan, 2 x HDMI, 1 x DP, 8GB memory pre-installed, 12V DC, RoHS |
| DRPC-W-TGL-U-i5C-R10 | Fanless System with Intel® Tiger Lake-U Core™ i5-1145G7E 1.5GHz(up to 4.1GHz,quad-core,TDP 15W),3 x 2.5GbE Lan,2 x HDMI,1 x DP,8GB memory pre-installed,12V DC,RoHS          |
| DRPC-W-TGL-U-i3C-R10 | Fanless System with Intel® Tiger Lake-U Core™ i3-1115G4E 2.2GHz(up to 3.9GHz,dual-core,TDP 15W),3 x 2.5GbE Lan,2 x HDMI,1 x DP,8GB memory pre-installed,12V DC,RoHS          |
| DRPC-W-TGL-U-CEC-R10 | Fanless System with Intel® Tiger Lake-U Celeron™ 6305E 1.8GHz(dual-core,TDP 15W),3 x 2.5GbE Lan,2 x HDMI,1 x DP,8GB memory pre-installed,12V DC,RoHS                         |

## Packing List

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