

# DRPC-330-A7K

Fanless DIN-Rail Embedded System with Marvell® ARMADA® 88F7040 Solution



## Features

- » Marvell® ARMADA® 88F7040
- » Supporting 10GbE SFP+
- » Multiple COM Ports with isolation
- » Multiple expansion slots
- » Wide power input 9~36V

## Specifications

| Form factor     |   |
|-----------------|---|
| SBC Form Factor | » CPU:<br>Marvell® ARMADA® 88F7040  |
|                 | » Chipset:<br>SoC   |
|                 | » System Memory:<br>1 x On-board DDR4 2400 (4GB pre-installed)  |
|                 | » Power:<br>Terminal block: 9 ~ 36V DC<br>Consumption: 36V @ 0.86A (Marvell® ARMADA® 88F7040 CPU with 4GB 2400 MHz DDR4 on-board memory)              |
|                 | » Reliability:<br>Operating Shock: Half-sine wave shock 5G, 11ms, 100 shocks per axis, IEC68-2-27<br>Operating Vibration: MIL-STD-810G 514.6C-1 (SSD) |
|                 | Safety/EMC – CE/FCC   |
| I/O Interface   |   |
| I/O Ports       | » 2 x USB 3.2 Gen1  |
|                 | » Ethernet:<br>2 x RJ-45:<br>2 x GbE by Marvell® 88E1512<br>1 x SFP+:<br>1 x 10GbE by Marvell® 88F7040  |
|                 | » COM Port:<br>1 x Console (RJ45)<br>2 x RS232/422/485 with AFC (DB9 with 2.5kV isolation)<br>2 x RS232 (DB9 with 2.5kV isolation)                    |
|                 | » TPM:<br>1 x TPM 2.0 (optional)  |
| Expansion Slots |   |

|                                 |   |
|---------------------------------|---|
| Expansion Slots                 | » M.2:  |
|                                 | 1 x 2230 A-key (PCIe*1/USB 2.0)                               |
|                                 | 1 x 2280 B-key (PCIe*1)                                       |
|                                 | 1 x 2242/80 B-key with SIM card slot (PCIe*1/USB 3.0/USB 2.0) |
| <b>System</b>                   |   |
| Cooling method / System Fan     | Fanless   |
| <b>Indicator&amp;Buttons</b>    |   |
| Buttons                         | 1 x Power button  |
|                                 | 1 x Reset button  |
|                                 | 1 x Clear CMOS  |
| Indicators                      | 1 x Power LED   |
|                                 | 1 x HDD LED   |
|                                 | 1 x Storage LED   |
| <b>Physical Characteristics</b> |   |
| Construction                    | Extruded aluminum alloy                                       |
| <b>Color</b>                    |   |
| Color                           | Black   |
| <b>Dimensions</b>               |   |
| Dimensions                      | 58.75 x 130 x 174 mm  |
| <b>Weight</b>                   |   |
| Weight                          | 1.3KG / 1.45KG  |
| <b>Environment</b>              |   |
| Operating Temperature           | -20 ~ 60°C with air flow                                      |
| Humidity                        | 10 ~ 95% non condensing                                       |

## Ordering Information

|                        |   |
|------------------------|---|
| DRPC-330-A7K-A1/4G-R10 | Fanless system with Marvell Armada 7040 processor, 4GB DDR4 on-board memory, two 1GbE, one 10GbE via SFP+(without transceiver), multiple M.2 expansions, COM, 9~36VDC, RoHS |
|------------------------|---|

## Packing List

|                           |               |
|---------------------------|---------------|
| 1 x Din-rail mounting kit | 1 x Screw kit |
|---------------------------|---------------|