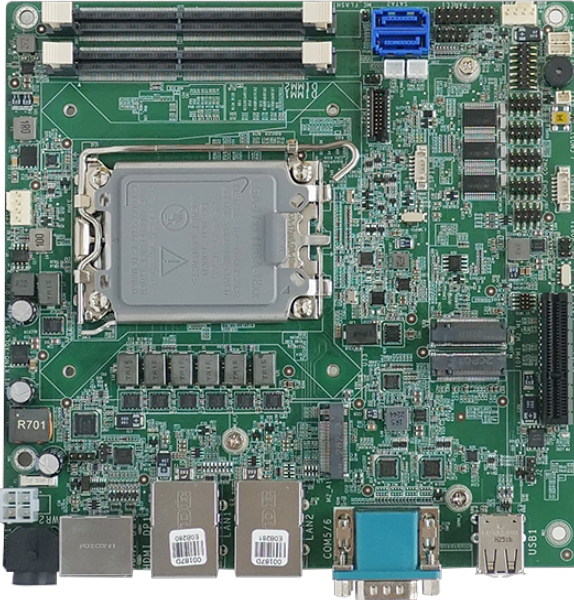


# KINO-ADLPS

Mini-ITX SBC support Intel® Alder Lake-PS Core™ i7/i5/i3 and Celeron® processor, DDR4 SO-DIMM, triple display with DP, HDMI™ and iDPM slots, SATA, Dual Intel 2.5GbE, USB3.2, M.2, RoHS



## Features

- » Mini-ITX SBC support Intel® Alder Lake-PS Core™ i7/i5/i3 and Celeron® processor (socket)
- » Support two 3200MHz DDR4 SO-DIMM
- » Triple independent display via HDMI™, DP, iDPM
- » Support Dual Intel® I225V/I226V 2.5GbE controller
- » Support PCIe Gen3 x4, M.2 M key and M.2 A key expansion

## Specifications

| System                      |                                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------|
| CPU                         | Mini-ITX SBC support Intel® Alder Lake-PS Core™ i7/i5/i3 and Celeron® processor (socket) |
| Memory                      | Two 3200 MHz DDR4 SO-DIMMs                                                               |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin)                                                          |
|                             | 1 x System fan connector (1x4 pin)                                                       |
| Physical Characteristics    |                                                                                          |
| Dimensions (LxWxH) (mm)     | 170mm x 170mm                                                                            |
| Net Weight                  | GW: 900g / NW: 400g                                                                      |
| Storage                     |                                                                                          |
| Storage                     | 2 x SATA : 6Gb/s                                                                         |
|                             | 1 x M.2(NGFF) : M Key 2242/3080 (PCIe Gen4 x4)                                           |
| I/O Interface               |                                                                                          |
| Display Output              | 1 x HDMI™ : up to 4096 x 2304@60Hz                                                       |
|                             | 1 x Display Port : up to 4096 x 2304 @60Hz                                               |
|                             | 1 x iDPM : 3040 slot (only for iEi eDP/LVDS/VGA module)                                  |
| Ethernet                    | 2 x LAN -                                                                                |
|                             | LAN1: Intel® I225-V/I226-V 2.5GbE controller                                             |
|                             | LAN2: Intel® I225-V/I226-V 2.5GbE controller                                             |
| Audio                       | 1 x HD Audio : 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2 x 5 pin)              |
| I/O Interface               | 2 x External RS-232/422/485 : RS-485 support AFC                                         |
|                             | 4 x Internal RS-232 : 2x5 pin, P=2.0                                                     |
|                             | 2 x External USB 2.0 : Type A                                                            |
|                             | 2 x Internal USB 2.0 : 2x4 pin, P=2.0                                                    |
|                             | 1 x DIO : 12-bit digital I/O (2x7 pin)                                                   |
|                             | 4 x External USB 3.2 Gen2x1 : 10Gb/s                                                     |
| Expansion                   | 1 x PCIe x4 : PCIe Gen3 x4 signal (x4 & x2 + x2 + x2 + x1 + x1)                          |
|                             | 1 x M.2(NGFF) : A Key for WIFI & BT 2230 (PCIe Gen3 x1 & USB2.0)                         |

| Power                 |                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| Power Consumption     | 12V@2.59A                                                                                             |
|                       | (Intel® Core i7-12700HL 2.3GHz 45W CPU with 32GB 3200MHz DDR4 memory, max. loading, EuP mode enabled) |
| Power Supply          | +12V DC input power (AT/ATX mode)                                                                     |
| Environment           |                                                                                                       |
| Operating Temperature | -10°C ~ 60°C                                                                                          |
| Storage Temperature   | -20°C ~ 70°C                                                                                          |
| Humidity              | 5% ~95%, non-condensing                                                                               |

## Ordering Information

|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| KINO-ADLPS-i7-R10 | Mini-ITX SBC with Intel® Alder Lake-PS Core™ i7-1265UL Processor (socket ), DDR4 SO-DIMM, Triple Display,SATA,Dual Intel 2.5GbE,USB3.2,M.2,RoHS |
| KINO-ADLPS-i5-R10 | Mini-ITX SBC with Intel® Alder Lake-PS Core™ i5-1245UL Processor (socket ), DDR4 SO-DIMM, Triple Display,SATA,Dual Intel 2.5GbE,USB3.2,M.2,RoHS |
| KINO-ADLPS-i3-R10 | Mini-ITX SBC with Intel® Alder Lake-PS Core™ i3-1215UL Processor (socket ), DDR4 SO-DIMM, Triple Display,SATA,Dual Intel 2.5GbE,USB3.2,M.2,RoHS |
| KINO-ADLPS-C-R10  | Mini-ITX SBC with Intel® Alder Lake-PS Celeron® 7305L Processor (socket ), DDR4 SO-DIMM, Triple Display,SATA,Dual Intel 2.5GbE,USB3.2,M.2,RoHS  |

## Packing List

|                                      |                   |
|--------------------------------------|-------------------|
| 1 x KINO-ADLPS single board computer | 1 x I/O Shielding |
| 1 x SATA with power cable            | 1 x QIG           |