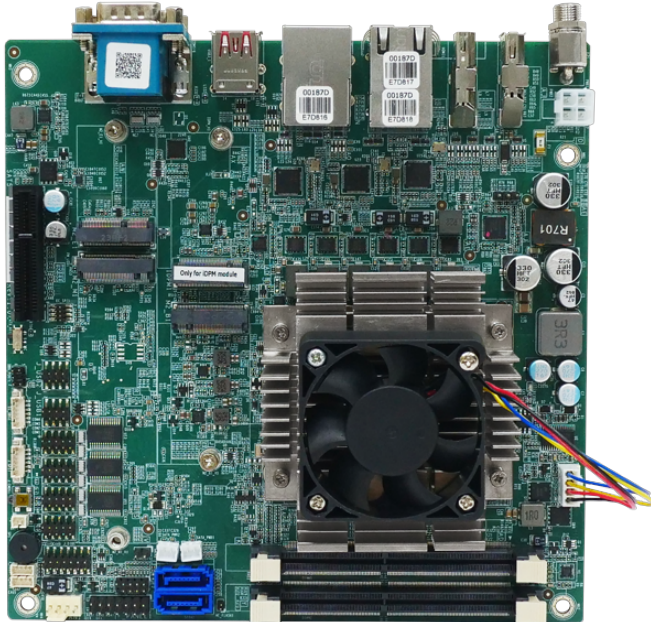


KINO-ADL-P

Mini-ITX SBC with Intel® Alder Lake-P/Raptor Lake-P SoC Processor, DDR4 SO-DIMM, 12~28V DC input, Triple Display, Triple Intel® 2.5GbE, USB 3.2, SATA 6Gb/s, RoHS



Features

- » Support 12/13th Intel® mobile Alder Lake-P/Raptor Lake-P on-board processor
- » Dual-channel DDR4 3200MHz
- » Support triple independent display via HDMI™, DP and iDPM
- » Support PCIe Gen3 x4, M.2 M key, M.2 B key and M.2 E key expansion

Specifications

| | |
|-----------------------------|---|
| Form Factor | |
| Form Factor | Mini-ITX Motherboard |
| System | |
| CPU | Intel® 12/13th mobile Alder Lake-P/Raptor Lake-P on-board processor, support Intel® Core™ i9/i7/i5/i3 and Celeron® CPU |
| Memory | 2 x 260-pin 3200 MHz DDR4 SO-DIMM (system up to 64G) |
| Memory Max. | 64GB |
| 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 | 700g |
| Storage | |
| Storage | 2 x SATA : RAID 0/1/5/10 supported 2 x M.2(NGFF) - 1 x M.2 B key 3042 (PCIe Gen3 x2/USB2.0) 1 x M.2 M key 2280 (PCIe Gen3 x4) |
| I/O Interface | |
| Display Output | 1 x HDMI™ : up to 4096 x 2304 @30Hz 1 x Display Port : up to 4096 x 2304 @60Hz 1 x iDPM : support iEi eDP/ LVDS/ VGA module |
| Ethernet | 3 x LAN - LAN1: Intel® I225LM/I226LM 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller LAN3: Intel® I225V/I226V 2.5GbE controller |
| Audio | 1 x HD Audio : 1 x iAUDIO supports IEI AC-KIT-888S Audio Kit (2x5 pin) |
| I/O Interface | 2 x External RS-232/422/485 4 x Internal RS-232 : 2x5 pin, P=2.0 |

| | |
|-----------------------|---|
| | 4 x Internal USB 2.0 : 2x4 pin, P=2.0 |
| | 4 x External USB 3.2 Gen2x1 : 10Gb/s |
| Expansion | 1 x PCIe x4 |
| | 3 x M.2(NGFF) - 1 x M.2 E Key 2230 (PCIe Gen3 x1 & USB 2.0) 1 x M.2 B key 3042 (PCIe Gen3 x2 & USB2.0) 1 x M.2 M key 2280 (PCIe Gen3 x4) |
| Power | |
| Power Consumption | 12V@5.09A, 19V@3.25A, 24V@2.58A, 28V@2.23A |
| | (12 th Gen Intel® Core™ i7-1270PE CPU with 32 GB 3200 MHz DDR4 memory, max. loading, EuP mode disabled) |
| Power Supply | input voltage range: 12~28V |
| | 1 x internal power connector (2 x 2 pin) |
| | 1 x external DC power jack (Ø 2.6 mm) |
| | ErP/EuP Compliant |
| Environment | |
| Operating Temperature | -10°C~60°C |
| Storage Temperature | -30°C~70°C |
| Humidity | 5% ~95%, non-condensing |

Ordering Information

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|-------------------|--|
| KINO-ADL-P-i7-R10 | Mini-ITX SBC with Intel® Alder Lake-P Core™ i7-1260P SoC Processor,DDR4 SO-DIMM, 12~28V DC input, Quad Display,SATA,Triple Intel® 2.5GbE,USB3.2,M.2,SoC,RoHS |
| KINO-ADL-P-i5-R10 | Mini-ITX SBC with Intel® Alder Lake-P Core™ i5-1240P SoC Processor,DDR4 SO-DIMM, 12~28V DC input, Quad Display,SATA,Triple Intel® 2.5GbE,USB3.2,M.2,SoC,RoHS |
| KINO-ADL-P-i3-R10 | Mini-ITX SBC with Intel® Alder Lake-P Core™ i3-1220P SoC Processor,DDR4 SO-DIMM, 12~28V DC input, Quad Display,SATA,Triple Intel® 2.5GbE,USB3.2,M.2,SoC,RoHS |
| KINO-ADL-P-C-R10 | Mini-ITX SBC with Intel® Alder Lake-P Celeron® 7305 SoC Processor,DDR4 SO-DIMM, 12~28V DC input, Triple Display,SATA,Triple Intel 2.5GbE,USB3.2,M.2,SoC,RoHS |

Packing List

| | |
|--------------------------------------|----------------|
| 1 x KINO-ADL-P single board computer | 1 x SATA cable |
| 1 x I/O shielding | 1 x QIG |