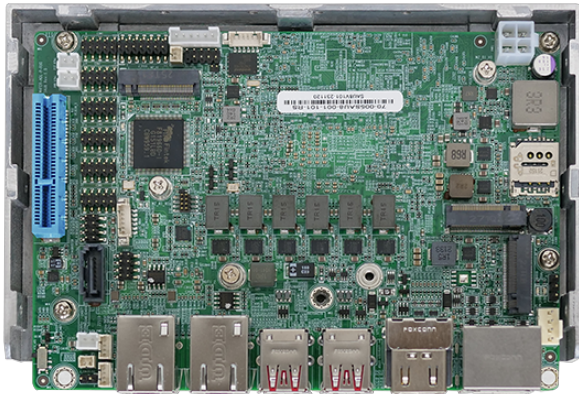


# WAFER-ADL-P

3.5 SBC 支持 Intel® Alder Lake-P/Raptor Lake-P Core™ i7/i5/i3 和 Celeron® 处理器，板载 8GB LPDDR4x 内存。具有 DP、HDMI™、双 2.5GbE、USB 3.2 gen 2、M.2、SATA 6Gb/s、COM、PCIe x4 槽，符合 RoHS。



## Features

- » 支持 12/13代 Intel® mobile Alder Lake-P/Raptor Lake-P 板载 SoC
- » 板载 LPDDR4x 3200 MHz 8GB 内存，内存上限为 32GB
- » 支持两路 HDMI™、两路 DP，四路独立显示
- » 支持 PCIe X4、M.2 M key、M.2 B key 和 M.2 A key 扩展
- » 支持两个 2.5GbE 网口，使用 Intel® I225V/I226V 网络芯片

## Specifications

|                 |  |
|-----------------|--|
| 尺寸类型            |  |
| 尺寸类型            | 3.5" SBC   |
| 系统              |  |
| CPU             | 12th/13th Gen. Intel® mobile Alder Lake-P/Raptor Lake-P on board SoC |
| 内存              | 板载 LPDDR4x-3200 MHz 8GB，内存上限为 32GB                                   |
| 内存上限            | 32GB   |
| 物理特性            |  |
| 尺寸 (LxWxH) (mm) | 146mm x 102mm  |
| 净重              | 350g   |
| 存储              |  |
| 存储              | 1 x SATA : 6Gb/s   |
|                 | 1 x M.2(NGFF) : M.2 M Key 2242/2280 (PCIe Gen3 x4)                   |
| I/O 接口          |  |
| 显示输出            | 2 x HDMI™ : 高达 4096x2160 @ 30Hz                                      |
|                 | 2 x Display Port : 高达 4096 x 2160 @60Hz                              |
| 网络              | 2 x LAN -  |
|                 | LAN1: Intel® I225V/I226V 2.5GbE controller                           |
|                 | LAN2: Intel® I225V/I226V 2.5GbE controller                           |
| 音频              | 1 x HD Audio : 1 x iAUDIO, 支持 IEI AC-KIT-888S 音频模块 (2x5 pin)         |
| I/O接口           | 4 x 内部 RS-232 : 2x5 pin, P=2.0                                       |
|                 | 2 x 内部 RS-232/422/485 : 2x5 pin, P=2.0                               |
|                 | 4 x 内部 USB 2.0 : 2x4 pin, P=2.0                                      |
|                 | 4 x 外部 USB 3.2 Gen2x1 : 10Gb/s (Type A)                              |
| 扩展              | 1 x PCIe x4 : PCIe Gen3 x4 (x4 & x2+x2)                              |

|          |  |
|----------|--|
|          | 1 x On-board SIM card socket (hinge type) for M.2 B key  |
| 电源       | 3 x M.2(NGFF) -  |
| 电源功耗     | 1 x M.2 A Key 2230 for WIFI & BT (PCIe Gen3 x 1 & USB 2.0)<br>1 x M.2 B Key 2242 for Intel® Core™ i7-1255U CPU, 8 GB 3200 MHz LPDDR4x<br>内存, 最大增加数(启用 EuP 模式)<br>1 x M.2 B Key 2242 (PCIe Gen3 x4) |
| 电源供电     | ATX/AT电源   |
|          | 支持AT/ATX模式   |
|          | 符合 ErP/EuP   |
| 环境       |  |
| 操作温度     | -10°C ~ 60°C   |
| 存储温度     | -30°C ~ 70°C   |
| Humidity | 5% ~95%, 无冷凝   |

## Ordering Information

|                     |  |
|---------------------|--|
| WAFER-ADL-P-i7C-R10 | 3.5 SBC supports Intel® Alder Lake-P Core™ i7-1255U Processor , with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS    |
| WAFER-ADL-P-i5C-R10 | 3.5 SBC supports Intel® Alder Lake-P Core™ i5-1235U Processor , with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS    |
| WAFER-ADL-P-i3C-R10 | 3.5 SBC supports Intel® Alder Lake-P Core™ i3-1215U Processor , with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS    |
| WAFER-ADL-P-CC-R10  | 3.5 SBC supports Intel® Alder Lake-P Celeron® 7305 SoC Processor , with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS |

## Packing List

|                      |             |
|----------------------|-------------|
| 1 x WAFER-ADL-P 单板电脑 | 1 x SATA 线材 |
| 1 x QIG              |             |