

# AFL4-W13-ADL

## IEI 轻工业平板电脑

搭载第十二代英特尔® Alder Lake-P 平台



**ieI** 威强电工业电脑  
IEI Integration Corp.  
[WWW.IEIWORLD.COM.CN](http://WWW.IEIWORLD.COM.CN)

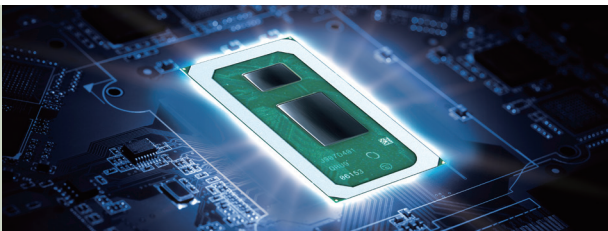
# AFL4-W13-ADL

搭载英特尔®第十二代 Alder Lake-P 板载处理器，8GB 板载内存，2 x 2.5GbE 高速网口，2 x M.2 M key 扩展插槽，支持 WiFi6E 和蓝牙 5.2，具有防眩光与抗紫外线的 10 点电容式触控屏。



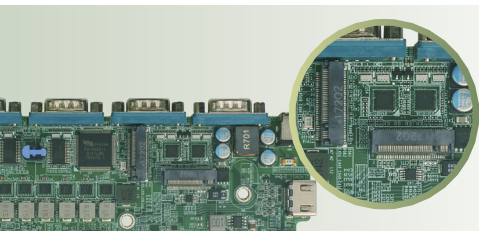
## 英特尔®第十二代CPU

搭载英特尔®第十二代 Alder Lake-P 处理器，颠覆性的混合架构，更小机身，更高性能



## 全速M.2 扩展

两个 M.2 M key 支持 2242 及 2280 规格，PCIe Gen4 x 4 全速信号，更大带宽，更快速度



## 防眩光与抗紫外的电容触控屏

让你在户外或强光下不受反射影响，画面清晰可见，户外长时间使用不异变，支持 10 点触控



## 支持手套和湿手操作

全新的电容触控屏，让你在戴手套时依然顺畅操作，屏上有水或湿手时也可精准点击



## 丰富的I/O接口

具有 4 串 5U 的丰富配置，其中两个 RS232，两个 RS-232/422/485，4 个 USB 3.2，一个 USB 2.0，轻松应对各种应用场景

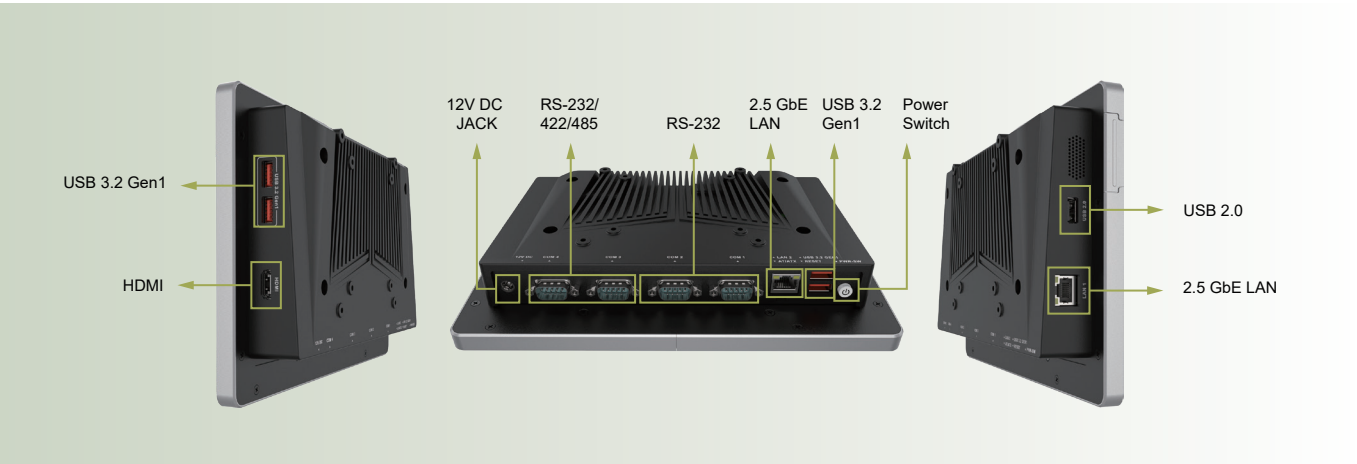


## 支持WiFi6E和蓝牙5.2

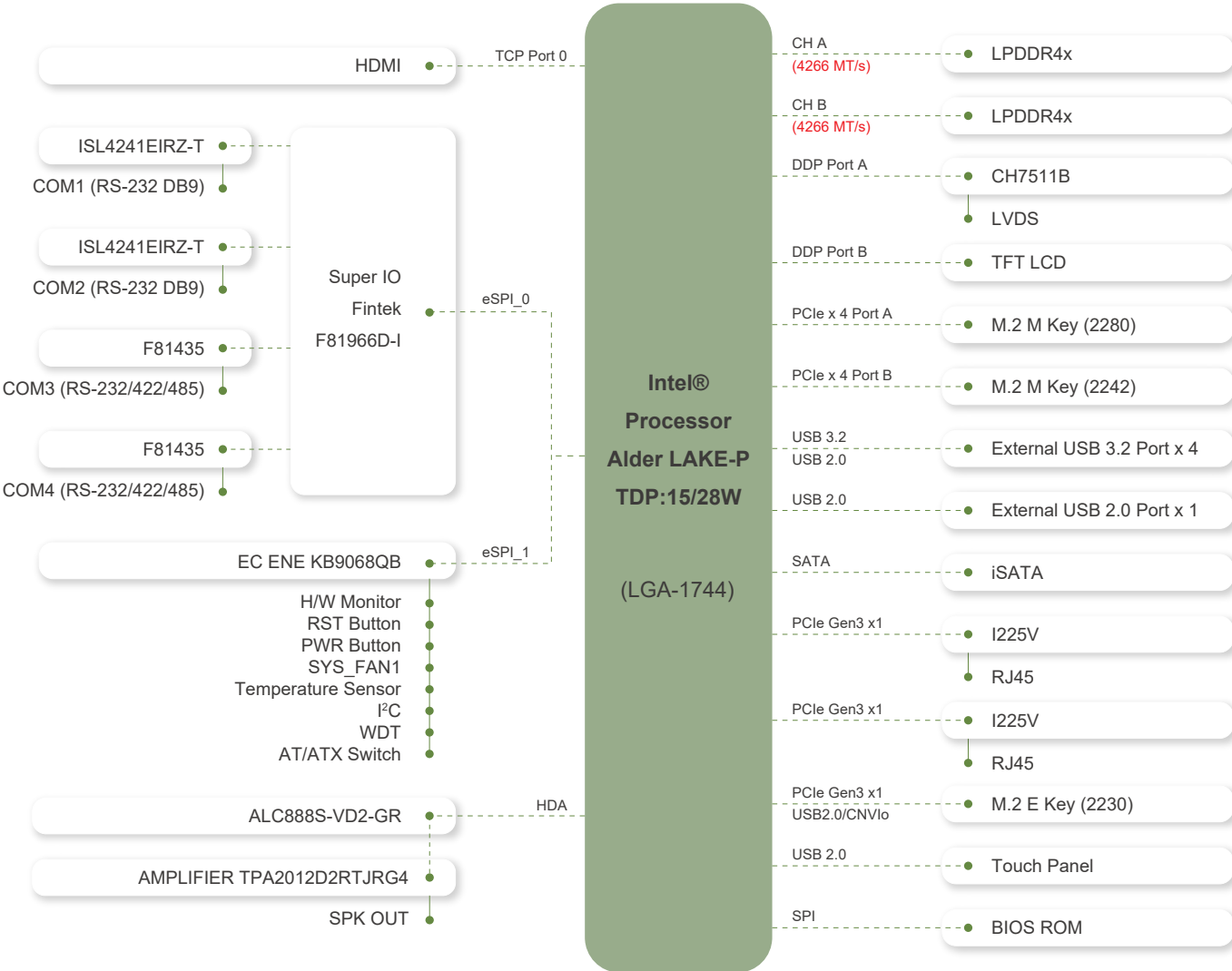
更强的 WiFi6E 网络，同时支持 2.4GHz/5GHz 及 6GHz，更大带宽，更低时延，蓝牙 5.2 连接更稳定，功耗更低



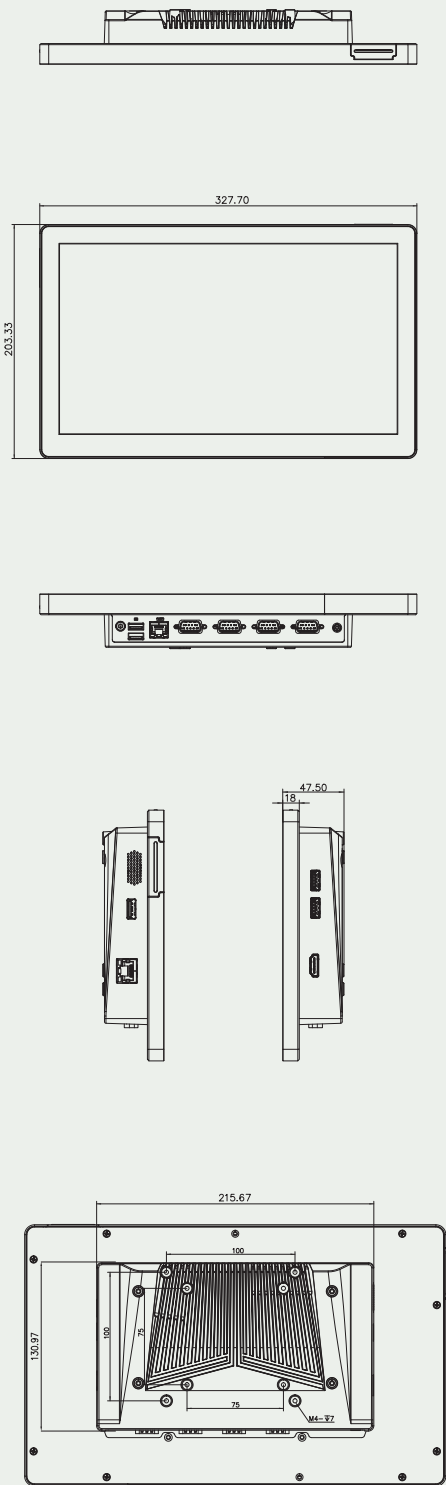
# AFL4-W13-ADL IO布局



## AFL4-W13-ADL Block Diagram



尺寸 *Dimensions*



规格 *Specifications*

| Model                |                                                       | AFL4-W13-ADL                                                                          |                                                                                    |
|----------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| LCD                  | Size                                                  | 13.3"                                                                                 |                                                                                    |
|                      | Resolution                                            | 1920 x1080 (16:10)                                                                    |                                                                                    |
|                      | Brightness (cd/m²)                                    | 400                                                                                   |                                                                                    |
|                      | Contrast Ratio                                        | 800:1                                                                                 |                                                                                    |
|                      | Viewing Angle (H-V)                                   | 170°/170°                                                                             |                                                                                    |
| Touch                | Backlight MTBF                                        | 50000 hours                                                                           |                                                                                    |
|                      | Touch Screen                                          | PCAP with USB interface (anti-UV/AR coating)                                          |                                                                                    |
|                      | Touch Controller                                      | EETI EXC 81 Series                                                                    |                                                                                    |
| Mainboard            | SOC                                                   | 12th Generation Intel® Alder Lake-P Core™ i7/i5/i3/Celeron® Processor                 |                                                                                    |
|                      | RAM                                                   | Dual channel On board LPDDR4X 8G                                                      |                                                                                    |
|                      | Ethernet                                              | LAN1: Intel® I225 + LAN2: Intel® I225                                                 |                                                                                    |
|                      | Audio Codec                                           | Realtek ALC888S                                                                       |                                                                                    |
| Storage              | M.2                                                   | 1 x M.2 M key 2242 (PCIe Gen4 x 4)<br>1 x M.2 M key 2280 (PCIe Gen4 x 4)              |                                                                                    |
|                      |                                                       |                                                                                       |                                                                                    |
| I/O Ports & Switch   | COM Port                                              | 2 x RS-232 by DB9<br>2 x RS-422/RS485 by DB9                                          |                                                                                    |
|                      | LAN Port                                              | 2 x 2.5GbE LAN                                                                        |                                                                                    |
|                      | USB Port                                              | 2 x USB 3.2 Gen1<br>3 x USB 2.0                                                       |                                                                                    |
|                      | Display Port                                          | 1 x HDMI output                                                                       |                                                                                    |
|                      | Power in                                              | 1 x 12V DC Jack                                                                       |                                                                                    |
|                      | Switch                                                |                                                                                       | 1 x Power button<br>1 x Reset button<br>1 x Clear CMOS button<br>1 x AT/ATX switch |
|                      |                                                       |                                                                                       |                                                                                    |
|                      |                                                       |                                                                                       |                                                                                    |
|                      |                                                       |                                                                                       |                                                                                    |
| Audio                |                                                       | AMP 1.2W (internal speaker)                                                           |                                                                                    |
| Wireless & Bluetooth |                                                       | IEEE 802.11 a/b/g/n/ax, Bluetooth V5.2<br>1 x M.2 2230 A Key Slot (PCIe + USB signal) |                                                                                    |
| Physical             | Construction Front Panel                              | SECC                                                                                  |                                                                                    |
|                      | Mounting                                              | Wall, Rack, Stand, ARM, VESA 75mm x 75mm                                              |                                                                                    |
|                      | Color                                                 | Silver + Black                                                                        |                                                                                    |
| Environment          | Operating Temperature (°C)<br>(Ambient with air flow) | -20 ~ 50                                                                              |                                                                                    |
|                      | Storage Temperature (°C)                              | -20 ~ 60                                                                              |                                                                                    |
|                      | Humidity                                              | 10% to 95% (non-condensing)                                                           |                                                                                    |
|                      | IP Level                                              | Front panel IP65                                                                      |                                                                                    |
|                      | Safety&EMC                                            | CE/EMC , FCC , RED (Class A)                                                          |                                                                                    |
|                      | Thermal Solution                                      | Fanless                                                                               |                                                                                    |
| Power                | Power Requirement                                     | 12V                                                                                   |                                                                                    |
|                      | ErP                                                   | ErP 2009/125/EC                                                                       |                                                                                    |

包装清单 *Packing List*

|                |                   |
|----------------|-------------------|
| 1 x Power Cord | 1 x Power Adapter |
| 1 x QIG        |                   |

订购信息 *Ordering Information*

|                                |                                                                                                                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AFL4-W13-ADL-P-i7/<br>W/8G-R10 | 13.3" 400cd/m² 1920x1080 Fanless Panel PC with 12th Generation Intel® Core™ i7 on-board Processor,TDP 15W,8GB LPDDR4 on-board, without WiFi&Bluetooth module, PCAP touch,12V DC,R10   |
| AFL4-W13-ADL-P-i5/<br>W/8G-R10 | 13.3" 400cd/m² 1920x1080 Fanless Panel PC with 12th Generation Intel® Core™ i5 on-board Processor,TDP 15W,8GB LPDDR4 on-board, without WiFi&Bluetooth module, PCAP touch,12V DC,R10   |
| AFL4-W13-ADL-P-i3/<br>W/8G-R10 | 13.3" 400cd/m² 1920x1080 Fanless Panel PC with 12th Generation Intel® Core™ i3 on-board Processor,TDP 15W,8GB LPDDR4 on-board, without WiFi&Bluetooth module, PCAP touch,12V DC,R10   |
| AFL4-W13-ADL-P-CE/<br>W/8G-R10 | 13.3" 400cd/m² 1920x1080 Fanless Panel PC with 12th Generation Intel® Celeron® G on-board Processor,TDP 15W,8GB LPDDR4 on-board, without WiFi&Bluetooth module, PCAP touch,12V DC,R10 |

可选配件 *Options*

| 料号 | 描述 |     |
|----|----|-----|
| -  | -  | TBD |
| -  | -  | TBD |
| -  | -  | TBD |
| -  | -  | TBD |
| -  | -  | TBD |