

# AFL4-W121-ADLP

12.1" Fanless Panel PC with Intel® Alder Lake-P Core™ Processor



## Features

- » Intel® Alder Lake-P Platform
- » New narrow bezel design
- » Anti-glare and Anti-UV PCAP
- » Support Gloved and Wet Hand Operation
- » Support WiFi 6E and Bluetooth5.2

## Specifications

|                                 |  |
|---------------------------------|--|
| System                          |  |
| CPU                             | 12th Gen Intel® Core™ Mobile i7/i5/i3 Processors (Alder Lake-P)                            |
| On-board Memory                 | Dual channel On board LPDDR4x 8G   |
| Communication                   |  |
| Wireless                        | IEEE 802.11ax 2T2R module (Wi-Fi 6E)<br>with BT v5.0 (M.2 2230 A-key)                      |
| I/O Interface                   |  |
| Ethernet                        | LAN1: Intel® I225V 2.5GbE controller<br>LAN2: Intel® I225-LM 2.5GbE controller (Intel AMT) |
| Audio                           | AMP 1.2W (internal speaker)  |
| Expansion                       | 1 x M.2 M key 2242 (PCIe Gen4 x 4)<br>1 x M.2 M key 2280 (PCIe Gen4 x 4)                   |
| Audio Codec                     | Realtek ALC888S  |
| Power                           |  |
| Input                           | 12V DC   |
| Environment                     |  |
| Operating Temperature           | -10°C ~ 50°C   |
| Safety & EMC                    | CE/EMC, FCC, RED (Class A)   |
| Humidity                        | 10% to 95% (non-condensing)  |
| Storage Temperature             | 20°C ~ 60°C  |
| IP Level                        | Front panel IP65   |
| Physical Characteristics        |  |
| Color                           | Silver+Black   |
| Mounting                        | Wall, Rack, Stand, ARM, VESA100  |
| LCD                             |  |
| Size                            | 12.1"  |
| Resolution                      | 1280 x 800 (16:10)   |
| Brightness (cd/m <sup>2</sup> ) | 450(cd/m <sup>2</sup> )  |
| Contrast Ratio                  | 1200:1   |
| Viewing Angle (H-V)             | 170°/170°  |
| Backlight MTBF                  | 50000 hours  |
| Touch                           |  |
| Touch Screen                    | Multi-point projected capacitive type<br>(anti-UV / anti-glare coating, support gloves)    |

|                  |  |
|------------------|--|
|                  | Surface hardness: 7H                     |
| Touch Controller | EETI EXC 81 Series                       |
| I/O Interface    |  |
| I/O Interface    | 2 x RS-232 (by DB9)                      |
|                  | 2 x RS-232/422/485 (by DB9)              |
|                  | 1 x HDMI™ (up to 3840*2160 @30Hz)        |
|                  | 2 x LAN (Intel® I225V 2.5GbE controller) |
|                  | 1 x DC Input Jack                        |
|                  | 1 x Reset Button                         |
|                  | 1 x Power Switch                         |
|                  | 1 x AT/ATX switch                        |
|                  | 2 x USB 3.2 Gen1x1                       |
|                  | 1 x USB2.0                               |
|                  | 2 x USB 3.2 Gen2                         |
| OS Support       |  |
| OS Support       | Windows 10 IoT                           |
|                  | Linux                                    |

## Ordering Information

|                          |  |
|--------------------------|--|
| AFL4-W121-ADLP-i7/8G-R10 | 12.1" 450cd/m <sup>2</sup> 1280x800 fanless panel PC with Intel® Core™ i7-1260P on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R10 |
| AFL4-W121-ADLP-i5/8G-R10 | 12.1" 450cd/m <sup>2</sup> 1280x800 fanless panel PC with Intel® Core™ i5-1240P on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R10 |
| AFL4-W121-ADLP-i3/8G-R10 | 12.1" 450cd/m <sup>2</sup> 1280x800 fanless panel PC with Intel® Core™ i3-1220P on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R10 |

## Packing List

|                     |                |
|---------------------|----------------|
| 1 x AFL4-W121-ADL-P | 1 x Power Cord |
| 1 x Power Adapter   | 1 x QIG        |