

AFL4-121-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 Bluetooth 5.2

Specifications

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|---------------------------------|--|
| 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) with BT v5.0 (M.2 2230 A-key) |
| I/O Interface | |
| Ethernet | LAN1: Intel® I225V 2.5GbE controller 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) 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 |
| Construction Front Panel | Aluminum die casting+SECC |
| LCD | |
| Size | 12.1" |
| Resolution | 1024 x 768 (4:3) |
| Brightness (cd/m ²) | 500(cd/m ²) |
| Contrast Ratio | 1200:1 |
| Viewing Angle (H-V) | 170°/170° |
| Backlight MTBF | 50000 hours |
| Touch | |

| | |
|----------------------|---|
| Touch Screen | Multi-point projected capacitive type (anti-UV / anti-glare coating, support gloves) |
| | Surface hardness: $\geq 7H$ |
| 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 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 1 x HDMI™ (up to 3840*2160 @30Hz) 2 x LAN (Intel® I225V 2.5GbE controller) 2 x USB 3.2 Gen2 |
| OS Support | |
| OS Support | Windows 10 IoT Linux |

Ordering Information

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|-------------------------|--|
| AFL4-121-ADLP-i7/8G-R10 | 12.1" 500cd/m ² 1024x768 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 |
| AFL4-121-ADLP-i5/8G-R10 | 12.1" 500cd/m ² 1024x768 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 |
| AFL4-121-ADLP-i3/8G-R10 | 12.1" 500cd/m ² 1024x768 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

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|-------------------|----------------|
| 1 x AFL4-121-ADLP | 1 x Power Cord |
| 1 x Power Adapter | 1 x QIG |