

AFL4-121-ADLP

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



Features

- » Intel® Alder Lake-P & Raptor 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

System	
CPU	12/13th Gen Intel® Core™ Mobile i7/i5/i3 Processors (Alder Lake-P/Raptor Lake-P)
On-board Memory	Dual channel On board LPDDR4X 8G (max.32GB)
Communication	
Wireless	IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 E-key)
I/O Interface	
Ethernet	LAN1: Intel® I226V 2.5GbE controller LAN2: Intel® I226-LM 2.5GbE controller (support 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, FCC Class A, UKCA
Humidity	10% to 95% (non-condensing)
Storage Temperature	-20°C ~ 60°C
IP Level	Front panel IP64
Physical Characteristics	
Color	Silver+Black
Mounting	Wall, Stand, ARM, VESA100
Construction Front Panel	Aluminum front cover and sheet metal rear cover
LCD	
Size	12.1"
Resolution	1024 x 768 (4:3)
Brightness (cd/m2)	500(cd/m ²)
Contrast Ratio	1000:1
Viewing Angle (H-V)	178°/178°
Backlight MTBF	30000 hours
Touch	

Touch Screen	Multi-point projected capacitive type (anti-UV / anti-glare coating, support gloves)
	Surface hardness: $\geq 7H$
Touch Controller	EETI 80
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 Compatible	
OS Compatible	Windows 10/11 IoT, Linux

Ordering Information

AFL4-121-ADLP-Ri7E/16G-R12	12.1" 500cd/m ² 1024x768 fanless panel PC with Intel® Core™ i7-1370PE on-board processor, 16GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R12
AFL4-121-ADLP-Ri5E/8G-R12	12.1" 500cd/m ² 1024x768 fanless panel PC with Intel® Core™ i5-1340PE on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R12
AFL4-121-ADLP-Ri3E/8G-R12	12.1" 500cd/m ² 1024x768 fanless panel PC with Intel® Core™ i3-1320PE on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R12

Packing List

1 x AFL4-121-ADLP	1 x Power Cord
1 x Power Adapter	1 x QIG
1 x Thermal Pad	