

# UPC-F12M1-ADLP

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



## Features

- » Intel® Alder Lake-P Processor
- » Anti-glare and Anti-UV PCAP
- » Support Gloved and Wet Hand Operation
- » Full-body IP66
- » Support WIFI 6E and Bluetooth 5.2

## Specifications

System	
Cooling method / System Fan	Fanless
CPU	Intel® Alder Lake-P Celeron® 7305E /i5-1250PE SoC Processor
On-board Memory	Dual channel 8GB LPDDR4x on board
Storage	1 x M.2 M key 2280 (PCIe Gen3 x4)
I/O Interface	
Ethernet	LAN1: Intel® I225V 2.5GbE controller LAN2: Intel® I225-LM 2.5GbE controller
Expansion	1 x M.2 B key 3042/3052/3080 (SATA & PCIe Gen3 x1 & USB 3.0) 1 x M.2 M key 2280 (PCIe Gen3 x4)
Environment	
Operating Temperature	-20°C ~ 60°C
Operating Vibration	MIL-STD-810F 514.5G-1 (with SSD)
Operating Shock	Half-sine wave shock 5G; 11ms; 100 shocks per axis
Safety & EMC	CE/FCC/UKCA
Humidity	10% ~ 95%@40°C, non-condensing
Storage Temperature	-20°C ~ 70°C
IP Level	Full IP66
Physical Characteristics	
Color	Black
Mounting	VESA 100mm x 100mm
Dimensions (LxWxH) (mm)	316 x 279 x 67
Net Weight	5kg
Construction	Aluminum die-casting
LCD	
Size	12.1" (4:3)
Resolution	1024 x 768
Brightness (cd/m2)	600
Contrast Ratio	700:1
LCD Color	16.7M
Pixel Pitch (mm)	0.24 x 0.24
Viewing Angle (H-V)	160°/140°
Backlight MTBF	50,000 hours
Touch	
Touch Screen	PCAP with USB interface (anti-UV/AG coating)

Touch Controller	ILITEK: ILI2520
I/O Interface	
I/O Interface	1 x CAN-bus (5pin)
	1 x RS-232/422/485 (by DB9)
	2 x USB 2.0 (8pin)
	1 x LAN (2.5GbE)
	1 x Power In (1 x 9-36V power jack/ terminal)
OS Compatible	
OS Compatible	Windows 10/11 IoT
	Linux

## Ordering Information

UPC-F12M1-ADLP-i5/PC/8G-R10	12.1" 600cd/m <sup>2</sup> XGA fanless ultra panel PC with Intel® Alder Lake-P Core™ i5-1250PE Processor, TDP 28W, 8GB LPDDR4x RAM, 802.11a/b/g/n/ac/ax Wi-Fi module, PCAP touch, M12 I/O, R10
UPC-F12M1-ADLP-C/PC/8G-R10	12.1" 600cd/m <sup>2</sup> XGA fanless ultra panel PC with Intel® Alder Lake-P Celeron® 7305E Processor, TDP 15W, 8GB LPDDR4x RAM, 802.11a/b/g/n/ac/ax WiFi module, PCAP touch, M12 I/O, R10

## Packing List

1 x UPC-F12M1-ADLP	1 x Power Cord
1 x Power Adapter	1 x Panel Mount Kit
1 x QIG	1 x Screw Pack