

# 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<br>LAN2: Intel® I225-LM 2.5GbE controller                    |
| Expansion                   | 1 x M.2 B key 3042/3052/3080 (SATA & PCIe Gen3 x1 & USB 3.0)<br>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 LAN (2.5GbE)                              |
|                  | 1 x Power In (1 x 9-36V power jack/ terminal) |
|                  | 1 x RS-232/422/485 (by DB9)                   |
|                  | 2 x USB 2.0 (8pin)                            |
| OS Support       |   |
| OS Support       | 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      |