

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 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

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|-----------------------------|--|
| UPC-F12M1-ADLP-i5/PC/8G-R10 | 12.1" 600cd/m ² 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 ² 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 |