

UPC-F12M1-RPLP

12.1" Fanless Panel PC with Intel® Raptor Lake-P



Features

- » 12.1" 1024 x 768 600 nits LCD
- » Intel® Raptor Lake-P platform
- » Full body IP66 waterproof
- » Anti-glare & Anti-UV PCAP touch screen
- » Aluminum die-casting
- » DC-in supports ACC mode
- » Optional WiFi 6E and Bluetooth®5.2

Specifications

| | |
|---------------------------------|--|
| System | |
| CPU | 13th Gen Intel® Core™ Mobile i7/i5/i3 Processors (Raptor Lake-P) |
| Memory Ext. | Dual channel 8GB LPDDR4x on board |
| Storage | 1 x M.2 M key 2280 (PCIe Gen3 x4) |
| Communication | |
| Wireless | IEEE 802.11 a/b/g/n/ax, Bluetooth V5.2 (optional) |
| Power | |
| Power Supply | 9 ~ 36V DC-in terminal block support ACC mode |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| 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 |
| Expansion Slots | |
| Expansion Slots | 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) |
| LCD | |
| Size | 12.1" |
| Resolution | 1024 x 768 (4:3) |
| Brightness (cd/m ²) | 600 cd/m ² |
| Contrast Ratio | 1000:1 |
| LCD Color | 16.7M |
| Viewing Angle (H-V) | 178°/178° |
| Backlight MTBF | 50,000 hours |
| Touch | |
| Touch Screen | PCAP with USB interface (anti-UV/AR coating) |
| Touch Controller | ILI2520 |
| I/O Interface | |

| | |
|---------------|-------------------------------------|
| I/O Interface | 1 x CAN-bus (8pin M12A MALE) |
| | 1 x RS-232/422/485 (8pin M12A MALE) |
| | 2 x USB 2.0 (8pin M12A MALE) |
| | 1 x LAN (8pin M12X MALE / 2.5GbE) |
| | 1 x DC Input Jack (5pin M12A MALE) |
| | 1 x AT/ATX switch |

Ordering Information

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|-----------------------------|--|
| UPC-F12M1-RPLP-i3/PC/8G-R10 | 12.1" 600cd/m ² XGA fanless panel PC with Intel® Raptor Lake-P Core™ i3-1315URE Processor, TDP 15W, 8GB LPDDR4x RAM, PCAP touch, M12 I/O, R10 |
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Packing List

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|--------------------|--------------------|
| 1 x UPC-F12M1-RPLP | 1 x M12 Power Cord |
| 1 x QIG | |