

## 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/m2)       | 600 cd/m <sup>2</sup>                                            |
| 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

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

## Packing List

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