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/m²
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/m² 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	