

UPC-F12M1-RPLP

IEI Heavy Industrial Panel PC

Powered by Intel®Raptor Lake-P platform

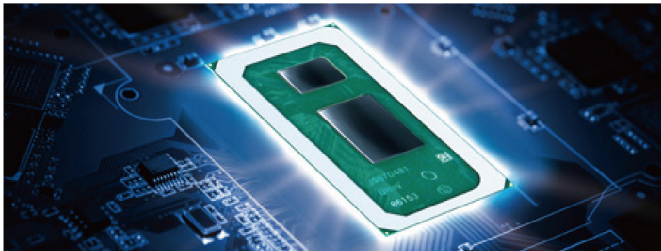


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13th Gen Intel®Raptor Lake-P Platform

Powered by 13th generation Intel® Raptor Lake-P Series processors add more thread processing can increase computing power, making product performance even better.



Support WiFi 6E and Bluetooth 5.2

Strong Wi-Fi 6E wireless network capability provides more bandwidth, and the low latency Bluetooth 5.2 connection is more stable and consumes less power.



Anti-glare and Anti-UV PCAP

With anti-glare and anti-UV coating, the 10-point touchscreen can display clearly without reflection for a long time use in outdoors and bright light environment.



Works with Gloves and Water

The equipped capacitive touch screen supports gloved operation and waterproof function that can effectively eliminate false touch operating caused by water spray.



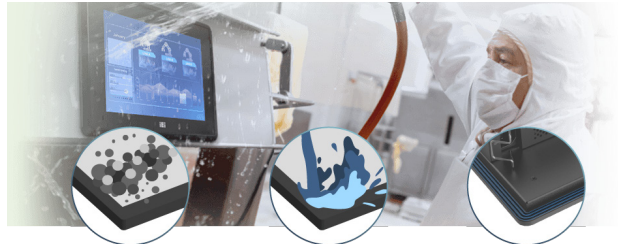
Freely selected I/O interface

The panel PC is small, but comes with abundant I/O for a variety of application scenarios. Customers can freely lead out the required interface according to their own needs



Full body IP66 protection rating

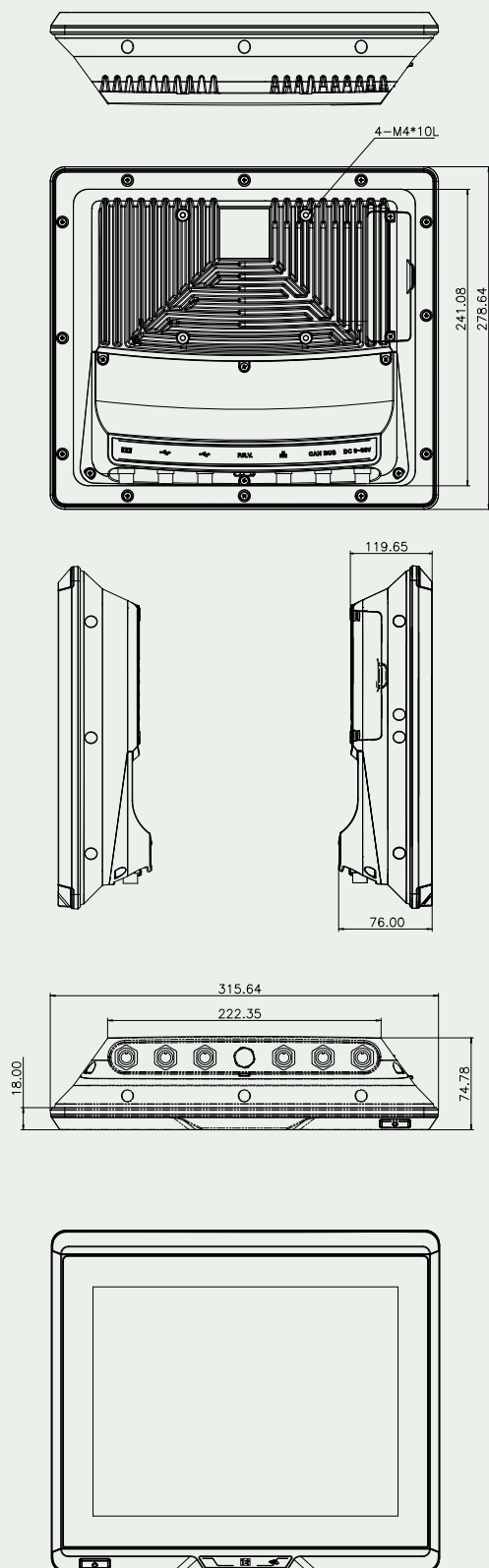
The full body IP66 protection level not only provides more robust and reliable performance, but also meets the specific needs of professional users and users in special environments.



Display System

UPC-F12M1-RPLP

Dimensions (Unit: mm)



Specifications

Model		UPC-F12M1-RPLP
LCD	Size	12.1" (4:3)
	Resolution (WxH)	1024 x 768
	Brightness (cd/m ²)	600
	LCD Color	16.2M
	Pixel Pitch (mm)	0.24 x 0.24
	Contrast Ratio	1000 : 1
	Viewing Angle (H-V)	178 ° /178 °
	Backlight MTBF	50,000 hours
Touch	Touch Screen	PCAP with USB interface (anti-UV/AG coating)
	Touch Controller	ILITEK: ILI2520
Motherboard	SOC	Intel® Raptor Lake-P Core™ i3-1315URE SoC Processor (15W)
	RAM	Dual channel 8GB LPDDR4x on board (up to 32 GB)
	Ethernet	LAN1: Intel® I226IT 2.5GbE controller LAN2: Intel® I226IT 2.5GbE controller
	Storage	1 x M.2 M key 2280 (PCIe Gen4 x4)
	Expansion	1 x M.2 B key 3042/3052/3080 (SATA & PCIe Gen4 x1 & USB 3.0) 1 x M.2 M key 2280 (PCIe Gen4 x4)
	I/O Ports & Switch	2 x 8pin M12A FEMALE connector for Two USB 2.0 1 x 8pin M12A FEMALE connector for COM (RS-232/422/485) 1 x 8pin M12X FEMALE connector for GbE LAN (2.5G) I225LM 1 x 5pin M12A FEMALE connector for CANBUS 1 x 5pin M12 MALE connector for DC Jack / Terminal (9V~36V DC)
	RFID	Reserved RFID antenna area (optional)
Connectivity	Wireless & Bluetooth	IEEE 802.11 a/b/g/n/ax, Bluetooth V5.2 (optional) 1 x M.2 2230 E key Slot (PCIe + USB signal)
	Physical	Construction: Aluminum die-casting Mounting: VESA 100mm x 100mm Net Weight: 5kg Dimensions (W x L x D) (mm): 316 x 279 x 76
Environment	Operating Temperature (Ambient with air flow)	-20° C ~ 60° C
	Storage Temperature	-20° C ~ 70° C
	Humidity	10% to 95% @40° C (non-condensing)
	Operating Shock	Half-sine wave shock 5G; 11ms; 100 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5G-1 (with SSD)
	IP Level	Full IP66
	Safety&EMC	CE/FCC
	Thermal Solution	Fanless
ErP	Power	9 ~ 36V
ErP		ErP 2009/125/EC
OS		Windows 10/11 IoT; Linux

Packing List

1 x Power Cord	1 x M12 to USB cable	1 x 3-pin Terminal Block
2 x Ferrite core	1 x Screw Pack	1 x QIG

Ordering Information

Part No	Description
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

Options

Item	Part No	Description
Arm	ARM-11-RS	VESA 75/100 Desk ARM
Stand	STAND-C12-R10	VESA 75/100 Easy Stand
Wall Mount Kit	AFLWK-12	Monitor Wall mounting kit
COM CABLE	32005-006200-100-RS	
LAN CABLE	32013-006800-100-RS	
CAN BUS CABLE	32033-004500-100-RS	