

UPC-F12C-ULT3

Vertical Market Panel PC



reddot award 2018
winner



Features

- » 12.1" fanless panel PC with Intel® Skylake ULT processor
- » IP66 6-side protection with M12 connector I/O cover
- » IP65 6-side protection with standard cable I/O cover
- » Built-in wireless 802.11 a/b/g/n/ac and Bluetooth V4.0
- » Operating temperature : -20°C ~ 60°C
- » Flat glass PCAP touch with 6H hardness, resistive touch window

Specifications

System	
Storage	1 x 2.5" HDD bay
	1 x M.2 (B key 2242 with USB 2.0 and SATA signal)
On-board Memory	1 x 260-pin 2133/1867 MHz single-channel 4GB DDR4 SO-DIMMs
Expansion Slots	
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Environment	
Humidity	10% ~ 95% (non-condensing)
Display	
Max Resolution	1024(W) x 768(H)
Power	
Power consumption	12 V @ 5 A; 36 V @ 1.6 A
Display	
LCD Size	12.1"
Backlight MTBF(hrs)	16.2M
Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Physical Characteristics	
Dimensions (LxWxH) (mm)	279x316x67
Display	
Brightness(cd/m2)	600
System	
CPU	6th generation Intel® Core™ i5 and Celeron® ULT processor
Display	
Contrast Ratio	700:1
Communication	
Wi-Fi	802.11 a/b/g/n/ac
Physical Characteristics	

Construction	Aluminum die-casting
Color	Black
Communication	
Bluetooth	Bluetooth v4.0
Environment	
Safety & EMC	CE & FCC
System	
Cooling method / System Fan	Fanless
I/O Interface	
Ethernet	LAN1: PCIe GbE by Intel® I211 controller
	LAN2: PCIe GbE by Intel® I211 controller
I/O Ports	M12 Type:
	1 x 8-pin M12 connector for RS-232
	1 x 8-pin M12 connector for RS-232/422/485
	1 x 8-pin M12 connector for GbE LAN
	2 x 8-pin M12 connector for two USB 2.0
	1 x 5-pin M12 connector for DC jack (12V~36V DC)
	Standard Type:
	1 x DC jack (12V-36V DC)
	1 x DC-in terminal block
	(12V-36V DC)
	1 x HDMI™
	1 x VGA
	1 x RS-232 (COM1 RJ-45)
	1 x RS-232/422/485 (COM2 RJ-45)
	2 x LAN
	2 x USB 2.0
	2 x USB 3.0
Power	
Input	Power 1: 12V ~ 36V (terminal block)
	Power 2: 12V ~ 36V (DC jack)
System	
Chipset	SoC
Physical Characteristics	
Net Weight	standard: 5.02kg
	M12: 4.95kg
Environment	
IP Level	standard: 5-side IP66 (IP65 I/O panel)
	M12: 6-side IP66
Physical Characteristics	
Mounting	VESA 100x100

Ordering Information

UPC-F12CM-ULT3-i5/R/4G-R10	12.1" 600cd/m² XGA fanless ultra panel PC with Intel® 14nm 6th Generation Mobile Core™ i5-6300U (15W) on-board Processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac WiFi module, resistive touch, M12 I/O, R10
UPC-F12CM-ULT3-i5/PC/4G-R10	12.1" 600cd/m² XGA fanless ultra panel PC with Intel® 14nm 6th Generation Mobile Core™ i5-6300U (15W) on-board Processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac WiFi module, PCAP touch, M12 I/O, R10
UPC-F12CM-ULT3-C/R/4G-R10	12.1" 600cd/m² XGA fanless ultra panel PC with Intel® 14nm 6th Generation Mobile Celeron®3955U (15W) on-board Processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac WiFi module, resistive touch, M12 I/O, R10

	module, PCAP touch, M12 I/O, R10
UPC-F12C-ULT3-C/R/4G-R10	12.1" 600cd/m ² XGA fanless ultra panel PC with Intel® 14nm 6th Generation Mobile Core™ Celeron®3955U (15W) on-board Processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac WiFi module, resistive touch, R10
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Packing List

1 x Touch Pen (Resistive type only)	2 x Ferrite core
2 x D-Sub to RJ45 cable (for standard only)	Waterproof plugs: Ø3x2 Ø4x1, Ø5x1, cover x 6 (for standard only)
1 x M12 to USB cable (for M12 only)	