

# UPC-F12C-ULT3

## Vertical Market Panel PC

### 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	
Expansion Slots	1 x M.2 (B key 2242 with USB 2.0 and SATA signal)
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
<b>Communication</b>	
Bluetooth	Bluetooth v4.0
<b>Environment</b>	
Safety & EMC	CE & FCC
<b>System</b>	
Cooling method / System Fan	Fanless
<b>I/O Interface</b>	
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
<b>Power</b>	
Input	Power 1: 12V ~ 36V (terminal block) Power 2: 12V ~ 36V (DC jack)
<b>System</b>	
Chipset	SoC
<b>Physical Characteristics</b>	
Net Weight	standard: 5.02kg M12: 4.95kg
<b>Environment</b>	
IP Level	standard: 5-side IP66 (IP65 I/O panel) M12: 6-side IP66
<b>Physical Characteristics</b>	
Mounting	VESA 100x100

## Ordering Information

UPC-F12CM-ULT3-i5/R/4G-R10	12.1" 600cd/m <sup>2</sup> 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/m <sup>2</sup> 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/m <sup>2</sup> 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
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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)	