

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



reddot award 2018
winner



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 |
| 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/m ² 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 ² 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 ² 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-F/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 |
| UPC-F12C-ULT3-i5/PC/4G-R10 | 12.1" 600cd/m ² 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, R10 |
| UPC-F12C-ULT3-C/R/4G-R10 | 12.1" 600cd/m ² 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, R10 |
| UPC-F12C-ULT3-C/PC/4G-R10 | 12.1" 600cd/m ² 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, PCAP touch, R10 |

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) | |