

# PPC-FW15D-ULT5

15.6" 8th gen Intel® Whiskey Lake-U Industrial Panel PC



## Features

- » 15.6" Panel PC with 8th gen Intel® Whiskey Lake-U processors
- » Low power consumption and fanless design
- » IP66-rated front panel for water and dust resistance
- » Touch screen with anti-UV / anti-glare coating
- » Support PoE PD power
- » Support NVMe SSD

## Specifications

| Display                     |   |
|-----------------------------|---|
| LCD Size                    | 15.6"   |
| Brightness(cd/m2)           | 400   |
| Max Resolution              | 1366 x 768  |
| Contrast Ratio              | 500:1   |
| Backlight MTBF(hrs)         | 50000   |
| System                      |   |
| Cooling method / System Fan | Fanless   |
| CPU                         | 8th Generation Intel® Core™ i5-8365U 4.10GHz                                      |
|                             | 8th Generation Intel® Celeron® 4305U 2.20GHz                                      |
| Chipset                     | Intel® Whiskey Lake-U   |
| Memory Ext.                 | 2 x 260-pin 2400 MHz dual-channel DDR4 unbuffered SO-DIMM                         |
| Memory Max.                 | 32GB  |
| Storage                     | 2.5" HDD/SSD SATA 3(6.0Gb/s) bay  |
| I/O Interface               |   |
| Ethernet                    | 2x Intel® I211  |
|                             | 1x Intel® I219  |
| Audio Codec                 | ALC888S   |
| Power                       |   |
| Input                       | +12VDC  |
| Power adapter               | 12V @ 8A(96W)   |
| Power consumption           | 55W   |
| Environment                 |   |
| Operating Temperature       | -10°C ~ 50°C (with air flow)  |
| Operating Vibration         | 5~17Hz, 0.1 double amplitude displacement 17~640Hz 1.5G acceleration peak to peak |
| Operating Shock             | 10G acceleration part to part (11ms)  |
| Safety & EMC                | CE, FCC   |
| Humidity                    | 10% ~ 95% (non-condensing)  |
| Storage Temperature         | -20°C ~ 60°C  |

|                                 |  |
|---------------------------------|--|
| IP Level                        | Front panel IP66   |
| <b>Physical Characteristics</b> |  |
| Color                           | PANTONE 296 C  |
| Mounting                        | Wall mount, Panel mount, Rack mount  |
| Dimensions (LxWxH) (mm)         | 400.1 x 253.3 x 77.1   |
| Net Weight                      | 6.1kg  |
| Construction Front Panel        | Aluminum   |
| Cutout Dimensions               | 379.1 x 232.3  |
| <b>Expansion Slots</b>          |  |
| Expansion Slots                 | M.2 2230 A-Key(PCIe x1, USB 2.0; support Wi-Fi, BT)<br>M.2 2280 M-Key(PCIe x4; support NVMe SSD) |
| <b>LCD</b>                      |  |
| LCD Color                       | 16.2M  |
| Pixel Pitch (mm)                | 0.25 x 0.25  |
| Viewing Angle (H-V)             | 170°/160°  |
| <b>Touch</b>                    |  |
| Touch Screen                    | PCAP 10-point  |
| Touch Controller                | EETI   |
| <b>Other Features</b>           |  |
| TPM                             | TPM 2.0(on-board)  |
| <b>I/O Interface</b>            |  |
| I/O Interface                   | 1 x AT/ATX Switch  |
|                                 | 1 x Clear CMOS   |
|                                 | 1 x Power Switch (with LDE(Blue))  |
|                                 | 1 x Line out   |
|                                 | 2 x RS-232 (1 x RS-232/422/485, 1 x RS-232)  |
|                                 | 1 x HDMI™  |
|                                 | 3 x LAN (2 x Support PoE(IEEE 802.3at/bt, optional))   |
|                                 | 1 x DC Input Jack (12V Din 4Pin/lock)  |
|                                 | 1 x Reset Button   |
|                                 | 4 x USB 3.2 Gen2x1   |

## Ordering Information

|                            |   |
|----------------------------|---|
| PPC-FW15D-ULT5-C/4G/PC-R10 | 15.6" 400 cd/m2 1366 x 768 Panel PC with Intel® 14nm 8th Whiskey Lake Celeron® 4305UE (2M Cache, 2.0 GHz) TDP 15W on-board Processor (ULT), 4GB DDR4 RAM x1, 12VDC input, Projective capacitive touch window with AG, R10 |
|----------------------------|---|

## Packing List

|  |                                     |
|--|-------------------------------------|
| 1 x PPC-FW15D-ULT5 panel PC            | 1 x Power adapter                   |
| 1 x Power cord                         | 4 x Screws (M4*8) for VESA mounting |
| 4 x Screws (M3*4) for HDD installation |                                     |