

## 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                                     |
| Physical Characteristics |                                                      |
| 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                                        |
| Expansion Slots          |                                                      |
| Expansion Slots          | M.2 2230 A-Key(PCIe x1, USB 2.0; support Wi-Fi, BT)  |
|                          | M.2 2280 M-Key(PCIe x4; support NVMe SSD)            |
| LCD                      |                                                      |
| LCD Color                | 16.2M                                                |
| Pixel Pitch (mm)         | 0.25 x 0.25                                          |
| Viewing Angle (H-V)      | 170°/160°                                            |
| Touch                    |                                                      |
| Touch Screen             | PCAP 10-point                                        |
| Touch Controller         | EETI                                                 |
| Other Features           |                                                      |
| TPM                      | TPM 2.0(on-board)                                    |
| I/O Interface            |                                                      |
| 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 |                                     |