

# PPC-FW15D-ULT5

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



- >> 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

## Hardware Spec.

### 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)
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## 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(Optional)
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## I/O Interface

I/O Interface	1 x AT/ATX Switch
	1 x Clear CMOS
	1 x DC Input Jack(12V Din 4Pin/lock)
	1 x HDMI
	3 x LAN(2 x Support PoE(IEEE 802.3at/bt, optional))

1 x Line out  
1 x Power Switch(with LDE(Blue))  
1 x Reset Button  
2 x RS-232(1 x RS-232/422/485, 1 x RS-232)  
4 x USB 3.2 Gen2x1

## Ordering Information

PPC-FW15D-ULT5-i5/4G/PC-R10	15.6" 400 cd/m2 1366 x 768 Panel PC with Intel® 14nm 8th Whiskey Lake Core- i5-8365UE (6M Cache, up to 4.10 GHz) TDP 15W on-board Processor (ULT), 4GB DDR4 RAM x1, 12VDC input, Projective capacitive touch window with AG, R10
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

## Package Contents

- » 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

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