

# PPC-FW19D-ULT5

18.5" 8th gen Intel® Whiskey Lake-U Industrial Panel PC



## Features

- » 18.5" 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

<b>Display</b>	
LCD Size	18.5"
Brightness(cd/m2)	400
Max Resolution	1366 x 768
Contrast Ratio	1000:1
Backlight MTBF(hrs)	50000
<b>System</b>	
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
<b>I/O Interface</b>	
Ethernet	2x Intel® I211
	1x Intel® I219
Audio Codec	ALC888S
<b>Power</b>	
Input	+12VDC
Power adapter	12V @ 8A(96W)
Power consumption	57W
<b>Environment</b>	
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)	469.8 x 289.2 x 76.9
Net Weight	6.9kg
Construction Front Panel	Aluminum
Cutout Dimensions	447.8 x 257.2
<b>Expansion Slots</b>	
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)
<b>LCD</b>	
LCD Color	16.7M
Pixel Pitch (mm)	0.3 x 0.3
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-FW19D-ULT5-i5/4G/PC-R10	18.5" 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-FW19D-ULT5-C/4G/PC-R10	18.5" 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-FW19D-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	