

## Industrial Panel Computer

# IVTK-PPC-K2120T-G

21.5" TFT LCD Capacitive Touch, Intel® Skylake-U/Kabylake-U CPU, 2\*LAN, 4\*USB3.0, 1\*PCIeX1/PCI, DC 9~36V, IP65 Front panel



IVTK-PPC-K2120T-G is an intelligent, fanless embedded panel, powered by Intel® Skylake-U/Kabylake-U Celeron or Core I3/I5/I7 CPU. IVTK-PPC-K2120T(P) supports 21.5 inches 1920\*1080@60Hz TFT LCD, with 1\*2.5 inch SATA HDD drive bay and 1\*M.2 for storage, DC 9~36V power input. It will be fit for application of MES and equipment management HMI terminal.

## Key Features

- Aluminum die-casting chassis, fanless design
- 21.5" LED TFT LCD, capacitive touch
- Intel® Skylake-U/Kabylake-U CPU
- 1\*DDR4 2133 SODIMM, Max 16GB
- 1\*Mini PCIe, Optional 1\*PCI/PCIeX1
- 4\*COM, 2\*LAN, 4\*USB3.0
- 2.5" HDD Bay, 1\*M.2
- ATX button&remote button
- DC 9~36V power input



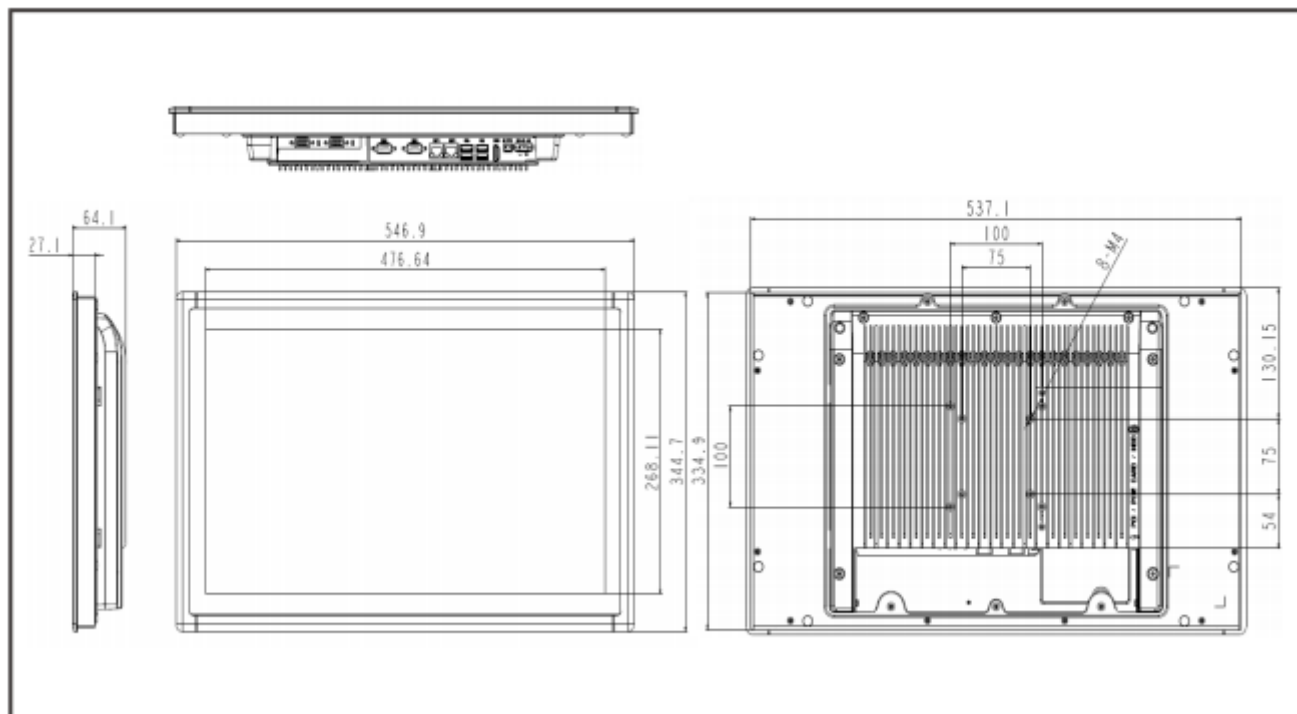
## SPEC

System	CPU	Gen.6th Intel® Skylake-U Celeron 3855U; Core I3-6100U; I5-6200U; I7-6500U CPU Gen. 7th Intel® Kabylake-U Celeron 3865U; Core I3-7100U; I5-7200U; I7-7500U CPU
	Chipset	Intel® SOC
	System Memory	1*DDR4 2133 MHz SODIMM, Max 16GB
	BIOS	Insyde SPI 64Mbit flash
	Storage	1*2.5" SATA HDD bay, support SATA3.0 6Gbps HDD/SSD, 1*M.2 (2242 B-Key)
	Display	21.5" LED backlight TFT LCD and HDMI (4K resolution), dual display, Intel® HD Graphics
	Touch	Projected capacitive touch, USB control
	Expansion	1*Mini PCIe(PCIe&USB signal), optional :1*32 bit PCI or 1*PCIeX1
	Real I/O	4*COM: 2*RS232, 2*RS232/422/485, DB9(When using PCI/PCIe, there are only 2*COM) 4*USB3.0 Type A 1*HDMI 2*RJ45
	LAN	Intel® I210AT chip, 10/100/1000 Mbps
	Control SW/LED	2-pin connector with power switch signal,power LED and HDD LED
Power Supply	DC to DC: 9~36V input, consumption: TDP 12V/4.12A(Intel® I5-6200U CPU, 4GB memory)	
OS Supply	Windows 7, Windows 8.1,Windows 10,Linux	
Mechanical & Environmental	Construction	Aluminum die-casting front bezel and chassis, fin-shaped radiator shell
	Operating Temperature	0~50℃ -HDD( -10~55℃ -SSD), with airflow
	Storage Temperature	-20~60℃
	Storage Humidity	10~95%@40 , non-condensing
	Shock	10g peak acceleration(duration 11ms), in operating with HDD
	Vibration	1g 5~500Hz, in operating with HDD
	Mounting	Panel mounting, VESA 100*100 and 75*75mm
	Dimension	(W*H*D):546.9*344.7*64.1mm; mounting cut out(W*H): 537.5*335.3mm
	Net Weight	8.15 KG
	EMC	CE,FCC Class A

LCD	Type	21.5" TFT LED
	Resolution	1920*1080
	Color	16.7M colors
	Pixel Pitch(mm)	0.248*0.248
	Brightness(cd/m2)	300
	Viewing Angle	89 Degree(left), 89 Degree(right), 89 Degree(up), 89 Degree(down)
	Operating Temperature	0~50℃
	Backlight Lifetime	50,000 hours
Touch	Type	Projected capacitive touch
	Resolution	gapless
	Light Transmittance	90%
	Interface	USB
	Consumption	+ 5V @ 300mA
	OS	Windows/Linux
	Click Lifetime	3 billion times

## Dimension

Unit: mm



## Ordering Info

Model NO.	CPU	TOUCH	Description
IVTK-PPC-K2120T(P)/T001-G	Intel® Core I3-6100U Intel® Core I3-7100U	projected capacitive touch	Industrial touch panel computer, 21.5" TFT LCD, HDMI, 4*COM(or 2*COM+ 1*PCI/PCIeX1), 4*USB, 2*LAN, 1*Mini PCIe, 2*3W speaker, 1*2.5" SATA Bay, 1*M.2, DC 9~36 power input.
IVTK-PPC-K2120T(P)/T002-G	Intel® Core I5-6200U Intel® Core I5-7200U	projected capacitive touch	
IVTK-PPC-K2120T(P)/T003-G	Intel® Core I7-6500U Intel® Core I7-7500U	projected capacitive touch	
IVTK-PPC-K2120T(P)/T004-G	Intel® Celeron 3855U Intel® Celeron 3865U	projected capacitive touch	