

Industrial Panel Computer

IVTK-PPC-K1820T-G

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



IVTK-PPC-K1820T(P) is an intelligent, fanless embedded panel, powered by Intel® Skylake-U/Kabylake-U Celeron and Core I3/I5/I7 CPU. IVTK-PPC-K1820T(P) supports 18.5 inch 1366*768@60Hz TFT LCD. with 1*2.5 inch SATA HDD Driver bay and 1*M.2 for storage. It will be fit for application of intelligent manufacturing MES systems and equipment management HMI terminal.

Key Features

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



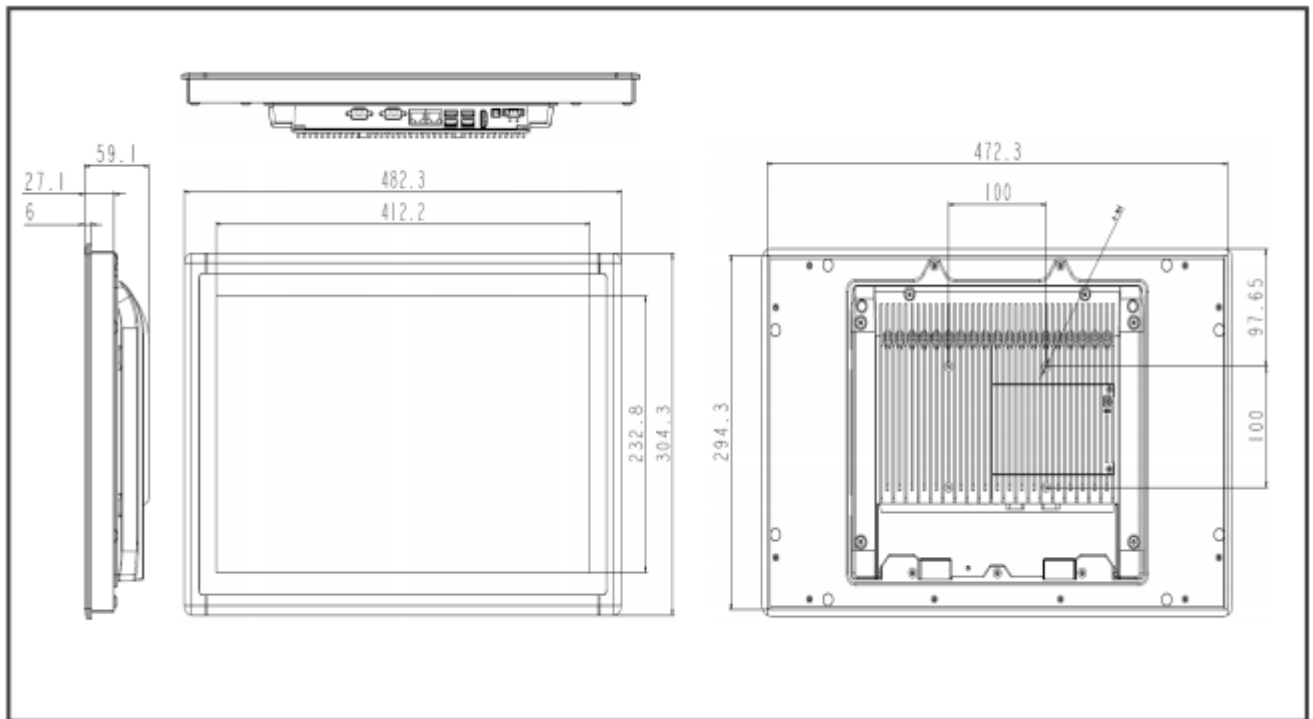
SPEC

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	18.5" LED backlight TFT LCD and HDMI(4K resolution), dual display, Intel® HD Graphics 510/520
	Touch	Projected capacitive control
	Expansion	1*Mini PCIe(PCIe&USB signal)
	Real I/O	2*COM: 2*RS232/422/485, DB9, Optional COM3/4 4*USB3.0 Type A 1*HDMI 2*RJ45
	LAN	Intel® I210AT chip, 10/100/1000 Mbps
Mechanical & Environmental	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/3.72A(Intel® I5-6200U CPU, 4GB memory)
	OS Supply	Windows 7, Windows 8.1,Windows 10, Linux
	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
Dimension	(W*H*D):482.3*304.3*59.1mm; mounting cut out(W*H): 473.5*295.5mm	
Net Weight	6.63 KG	
EMC	CE, FCC Class A	

LCD	Type	18.5" TFT LED
	Resolution	1366*768
	Color	16.7M colors
	Pixel Pitch(mm)	0.300*0.300
	Brightness(cd/m2)	300
	Viewing Angle	85 Degree(left), 85 Degree(right), 80 Degree(up), 80 Degree(down)
	Operating Temperature	0~60℃
	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-K1820T(P)/T001-G	Intel® Core I3-6100U Intel® Core I3-7100U	projected capacitive touch	Industrial panel computer, 18.5" TFT LCD, HDMI, 2*COM(2*RS232/422/485), 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-K1820T(P)/T002-G	Intel® Core I5-6200U Intel® Core I5-7200U	projected capacitive touch	
IVTK-PPC-K1820T(P)/T003-G	Intel® Core I7-6500U Intel® Core I7-7500U	projected capacitive touch	
IVTK-PPC-K1820T(P)/T004-G	Intel® Celeron 3855U Intel® Celeron 3865U	projected capacitive touch	
IVTK-PA-60DC12	AC/DC power adapter, DC12V/5A 60W		