

# DATASHEET



## // ABC P-19T - 19.0" Touch Industrial Panel

Panel PCs established themselves in the IT industry as valuable all-rounders and all-in-one PCs.

Whether as a simple status display, as a control panel or even as a fully-fledged machine control system, are Panel PCs no longer indispensable from our factory halls.

ABC panels convince with their compactness and reliability.

The industry panels are ready for WinCC RT and can be configured under Siemens TIA.

They are available in sizes from 10.1 to 21.5 inches.

With various equipment options, the panels ensure a very wide range of applications.

You can find the latest software updates and prices on: [www.abcit.eu](http://www.abcit.eu)

## BENEFITS & FEATURES

- Ready for SIMATIC WinCC RT und TIA
- Aluminum die-casting chassis, fanless design
- 19.0" LED TFT LCD, capacitive/resistive touch
- Intel® Skylake-U/Kabylake-U CPU
- 1 x DDR4 2133 SODIMM, max. 16GB
- 1 x Mini PCIe (PCIeX1 + USB), Optional 1 x 32-bit PCI/PCIeX1
- 4 x COM, 2 x LAN, 4 x USB3.0, 1 x USB2.0
- 1 x 2,5" HDD Bay, 1 x mSATA
- DC 9~36V power input

## TECHNICAL DATA

### SYSTEM

<b>CPU</b>	6. Gen. Intel® Skylake-U Celeron: 3855U; Core-U: I3-6100U; I5-6200U; I7-6500U 7. Gen. Intel® Kabylake-U Celeron 3865U; Core I3-7100U; I5-7200U; I7-7500U
<b>Chipset</b>	Intel® SOC
<b>System Memory</b>	1 x DDR4 2133 MHz SODIMM, max. 16GB
<b>BIOS</b>	Insyde SPI 64Mbit flash
<b>Storage</b>	1 x 2.5" SATA HDD bay, support SATA3.0 6Gbps HDD/SSD, 1 x mSATA
<b>Display</b>	19.0" LED backlight TFT LCD and HDMI (4K resolution), dual display, Intel® HD Graphics 510/520

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## TECHNICAL DATA

### SYSTEM

<b>Touch</b>	5 wire resistive touch optional projected capacitive touch, USB control
<b>Expansion</b>	1 x Mini PCIe (PCIe & USB Signal), Optional 1 x 32-bit PCI or PCIeX1
<b>Audio</b>	Realtek ALC662VD controller, Support 5.1 channel, 2 x 3W Speaker
<b>Real I/O</b>	4 x COM: 2 x RS232, 2 x RS232/422/485, DB9, 1 x HDMI,
<b>LAN</b>	2 x Intel® I210AT PCIe Gig. Ethernet, 10/100/1000 Mbps
<b>Control SW/LED</b>	Power button, 2-pin connecter with power switch signal,HDD LED
<b>Power Supply</b>	DC to DC: 9~36V input, consumption: TDP 12V/4.44A
<b>OS</b>	Windows 7, Windows 8.1, Windows 10, Linux

### MECHANICAL & ENVIRONMENTAL

<b>Construction</b>	Aluminum die-casting front bezel, fin-shaped radiator shell
<b>Operating Temperature</b>	0~50°C -HDD, -10~55°C -SSD, with airflow
<b>Storage Temperature</b>	-20~60°C
<b>Storage Humidity</b>	10~95%@40°C, non-condensing
<b>Shock</b>	10g peak acceleration(duration 11ms), in operating with HDD
<b>Vibration</b>	1g 5~500Hz, in operating with HDD
<b>Mounting</b>	Panel mounting, VESA 100 x 100mm and 75 x 75mm, Rack mounting
<b>Dimension</b>	(W x H x D):453,5 x 388,5 x 64,1mm; mounting cut out(W x H): 445 x 380mm
<b>Net Weight</b>	6,9 kg
<b>EMC</b>	CE, FCC Class A

### LCD

<b>Type</b>	19,0" TFT LED
<b>Resolution</b>	1280 x 1024
<b>Color</b>	16.7M
<b>Pixel Pitch (mm)</b>	0,294 x 0,294
<b>Brightness (cd/m2)</b>	470
<b>Viewing Angle</b>	85°(left), 85°(right), 85°(up),85°(down)
<b>Operating Temperature</b>	-15~65°C
<b>Backlight Lifetime</b>	50000 hours

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## TECHNICAL DATA

TOUCH	5 WIRE RESISTIVE TOUCH	PROJECTED CAPACITIVE TOUCH
<b>Resolution</b>	gapless	gapless
<b>Light Transmittance</b>	83%	90%
<b>Interface</b>	USB	USB
<b>Consumption</b>	+ 5V @200mA	+ 5V @300mA
<b>OS</b>	Windows, Linux	Windows, Linux
<b>Click Lifetime</b>	35 million times	3 billion times