



// ABC P-21T - 21,5" 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

BENEFITS & FEATURES

- Ready for SIMATIC WinCC RT und TIA
- Aluminum die-casting chassis, fanless design
- 21,5" LED TFT LCD, capacitive/resistive touch
- Intel® Skylake-U/Kabylake-U CPU
- 1 x DDR4 2133 SODIMM, max 16GB
- 1 x Mini PCIe, Optional 1 x 32-bit PCI/PCIe X1
- 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

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 x DDR4 2133 MHz SODIMM, max 16GB
BIOS	Insyde SPI 64Mbit flash
Storage	1 x 2.5" SATA HDD bay, support SATA3.0 6Gbps HDD/SSD, 1 x mSATA
Display	21,5" LED backlight TFT LCD and HDMI (4K resolution), dual display, Intel® HD Graphics 510/520
Touch	5 wire resistive touch optional projected capacitive touch, USB control

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TECHNICAL DATA

SYSTEM

Expansion	1 x Mini PCIe (PCIe & USB Signal), opt. 1x32bit PCI oder 1xPCIeX1
Audio	Realtek ALC662VD controller, Support 5.1 channel, 2 x 3W Speaker
Real I/O	4 x COM: 2 x RS232, 2 x RS232/422/485, DB9 (when using PCI/PCIe there are only 2 x COM), 4 x USB3.0 Type A, 1 x HDMI, 2 x RJ45
LAN	2 x Intel® I210AT PCIe Gig. Ethernet, 10/100/1000 Mbps
Control SW/LED	1 x Cmos, 1 x AT/ATX Power button, 2-pin connecter with power switch signal, HDD LED
Power Supply	DC to DC: 9~36V input, consumption: TDP 12V/4.12A
OS	Windows 7, Windows 8.1, Windows 10, Linux

MECHANICAL & ENVIRONMENTAL

Construction	Aluminum die-casting front bezel, fin-shaped radiator shell
Operating Temperature	0~50°C -HDD, -10~55°C -SSD, with airflow
Storage Temperature	-20~60°C
Storage Humidity	10~95%@40°C, 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 x 100mm and 75 x 75 mm
Dimension	(W x H x D):546,9 x 344,7 x 64,1mm; mounting cut out(W x H): 537,55 x 335,3mm
Net Weight	8,15 kg
EMC	CE, FCC Class A

LCD

Type	21.1" TFT LED
Resolution	1920 x 1080
Color	16.7M
Pixel Pitch (mm)	0.248 x 0.248
Brightness (cd/m2)	300
Viewing Angle	89°(left), 89°(right), 89°(up),89°(down)
Operating Temperature	0~50°C
Backlight Lifetime	50000 hours

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TECHNICAL DATA

TOUCH

PROJECTED CAPACITIVE TOUCH

Resolution	gapless
Light Transmittance	90%
Interface	USB
Consumption	+ 5V @300mA
OS	Windows, Linux
Click Lifetime	3 billion times