



// ABC P-12T - 12,1" 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 and TIA
- Aluminum die-casting chassis, fanless design
- 12.1" LED TFT LCD, capacitive/ resistive touch
- Intel® Skylake-U Core I3/I5/I7 CPU
- 1 x DDR4 2133 SODIMM, 4GB
- 1 x Mini PCIe (PCIe+USB)
- 2 x COM, 2 x LAN, 4 x USB3.0, 1 x USB2.0
- 1 x 2,5"HDD Bay, 1 x M.2
- ATX button and remote button
- 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	12.1" LED TFT LCD and HDMI (4K resolution), Intel® HD Graphics 510/520
Touch	5 wire resistive touch, optional projected capacitive touch

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TECHNICAL DATA

SYSTEM

Expansion	1 x Mini PCIe (PCIe & USB Signal)
Real I/O	2 x COM: 2 x RS232/422/485, DB9, 4 x USB3.0 Type A, 1 x HDMI, 2 x RJ45
Front I/O	1 x USB2.0 Type A
LAN	Intel® I210AT chip, 10/100/1000 Mbps
Control SW/LED	Power Taste, 2-pin connector with power swith signal, HDD LED
Power Supply	DC to DC: 9-36V input, consumption: TDP 12V/2.75A (Intel® I5-6200U CPU, 4GB RAM)
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-condensation
Schock	10g peak acceleration (duration 11ms), in operating with HDD
Vibration	1g 5~500Hz, in operation with HDD
Mounting	Panel mounting, VESA 100 x 100mm
Dimension	(W x H x D):315 x 259 x 51mm; mounting cut out (W x H): 303 x 247mm
Weight	2,80 kg
EMC	CE, FCC Class A

LCD

Type	12.1"TFT LED
Resolution	1024 x 768
Color	16.2M
Pixel Pitch (mm)	0.240 x 0.240
Brightness (cd/m2)	500
Viewing Angle	80° (left), 80° (right), 70° (up), 70° (down)
Operating Temperature	-30~70°C
Backlight Lifetime	50000 hours

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TOUCH	5 WIRE RESISTIVE TOUCH	PROJECTED CAPACITIVE TOUCH
Resolution	gapless	gapless
Light Transmittance	83%	90%
Interface	USB	USB
Consumption	+ 5V @200mA	+ 5V @300mA
OS	Windows, Linux	Windows, Linux
Click Lifefime	35 million times	3000 million times