



// ABC P-15T - 15,0" 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

BENEFITS & FEATURES

- Ready for SIMATIC WinCC RT und TIA
- Aluminum die-casting chassis, Fanless design
- 15.0" LED TFT LCD, capacitive/ resistive touch
- Intel® Skylake-U Core I3/I5/I7 CPU
- 1 x DDR4 2133 SODIMM, 4GB
- 1 x Mini PCIe, optional 1 x 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 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
Systeme 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 M.2 (2242 B-Key)
Display	15.0" LED backlight TFT LCD and HDMI (4K resolution), dual display, Intel® HD Graphics 510/520

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TECHNICAL DATA

SYSTEM

Touch	5 wire resistive touch, optional projected capacitive touch, USB control
Expansion	1 x Mini PCIe (PCIe & USB Signal) optional: 1 x 32 bit PCI oder 1 x PCIeX1
Real I/O	4 x COM: 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
Front I/O	1 x USB2.0 Type A
LAN	Intel® I210AT chip, 10/100/1000 Mbps
Control SW/LED	Power button, 2-pin connector with power switch signal, HDD LED
Power Supply	DC to DC: 9-36V input, consumption: TDP 12V/2.95A (Intel® I5-6200U CPU, 4GB Speicher)
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, without 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 und 75 x 75 mm
Dimension	(W x H x D): 380 x 315 x 56mm; mounting cut out (W x H): 367.3 x 303.3mm
Weight	4,3 kg
EMC	CE, FCC Class A

LCD

Type	15.0" TFT LED
Resolution	1024 x 768
Color	16.2M
Pixel pitch (mm)	0.297 x 0.297
Brightness (cd/m2)	350
Viewing Angle	80 degree (left), 80 degree (right), 70 degree (up), 70 degree (down)
Operating temperature	-20~70°C
Backlight Lifetime	50000 hours

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DATASHEET

TYPE	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 Lifetime	35 million times	3000 million times