



// ABC P-18T – 18,5“ 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.

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BENEFITS & FEATURES

- Ready for SIMATIC WinCC RT and TIA
- Aluminum die-casting chassis, fanless design
- 18.5" LED TFT LCD, capacitive touch
- Intel® Skylake-U Core I3/I5/I7 CPU
- 1 x DDR4 2133 SODIMM, Max 16GB
- 1 x Mini PCIe (PCIe + USB)
- 2 x COM, 2 x LAN, 4 x USB3.0
- 1 x 2,5" HDD Bay, 1 x M.2
- ATX button & remote button
- DC 9~36V power input

TECHNICAL DATA

SYSTEM

CPU	Intel Skylake Core I3-6100U 2.3GHz, 2C4T, TDP 15W (Optional 3855U, I5-6200U, I7-6500U)
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 M.2 (2242 B-Key)
Display	18,5" LED Beleuchtung TFT LCD und HDMI (4K Auflösung), Intel® HD Graphics 510/520

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TECHNICAL DATA

SYSTEM

Touch	Projected capacitive touch USB control
Expansion	1 x Mini PCIe (PCIe & USB Signal)
Real I/O	2 x COM: 2 x RS232, 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	Power button, 2-pin connector with power switch signal
Power Supply	DC to DC: 9-36V input, consumption: TDP 12V/3.72A (Intel® I5-6200U CPU, 4GB memory)
OS	Windows 7, Windows 8.1, Windows 10, Linux

MECHANICAL & ENVIRONMENTAL

Construction	Aluminum die-casting front bezel and chassis, fin-shaped radiator shell
Operating Temperature	0~50°C -HDD, -10~55°C -SSD, with airflow
Lagertemperatur	-20~60°C
relative Luftfeuchte	10~95%@40°C, with airflow
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
Dimension	(W x H x D): 482,3 x 304,3 x 59,1mm; mounting cut out(W x H): 473,5 x 295,5mm
Weight	6,63 kg
EMC	CE, FCC Class A

LCD

Type	18,5" TFT LED
Resolution	1366 x 768
Color	16.2M
Pixel Pitch (mm)	0.300 x 0.300
Brightness (cd/m2)	300
Viewing Angle	85 Degree(left), 85 Degree(right), 80 Degree(up), 80 Degree(down)
Operating Temperature	-10~50°C
Backlight Lifetime	50000 hours

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TECHNICAL DATA

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