

>> 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.

Features & Benefits:



- 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, 4GB
- 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 Betriebsspannung

Technical data

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System	
CPU	Intel® Skylake Core I3-6100U 2.3GHz, 2C4T, TDP 15 W (Optional I5-6200U, I7-6500U) Intel® Skylake Celeron 3855U 1.6GHz, 2C2T, TDP 15W
Chipset	Intel® SOC
System memory	1 x DDR4 2133 MHz SODIMM, 4GB
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 backlight TFT LCD and HDMI (4K resolution), Intel® HD Graphics 510/520
Touch	projected capacitive touch
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
LAN	Intel® I210AT chip, 10/100/1000 Mbps
Control SW/LED	Power button, 2 pin connector with power switch signal, power LED and HDD LED
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, 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 operating with HDD
Mounting	Panel mounting, VESA 100*100mm
Dimension	(W*H*D): 482,3x304,3x59,1mm; mounting cut out (W*H): 473,5x295,5mm
Net weight	6,63 kg
EMC	CE, FCC Class A
LCD	
Type	18,5" TFT LED
Resolution	1366*768
Color	16.7M
Pixel Pitch (mm)	0.300*0.300
Brightness (cd/m2)	300
Viewing Angle	85 degree (left), 85 degree (right), 80 degree (up), 80 degree (down)
Operating temperature	0~60°C
Backlight Lifetime	50000 hours
Touch	
Type	Projected capacitive touch
Resolution	gapless
Light transmittance	90%
Interface	USB
Consumption	+ 5V @300mA
OS	Windows, Linux
Click Lifetime	3 billion times