



// ABC P-10T - 10,1" 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 und TIA
- Aluminum die-casting chassis, Fanless design
- 10.1" LED TFT LCD, capacitive/resistive touch
- Intel® Baytrail Celeron J1900 CPU
- 1 x DDR3L 1333MHz SODIMM, max 8GB
- 2 x Mini PCIe (PCIe+USB und mSATA)
- 2 x COM, 2 x LAN, 1 x USB3.0, 3 x USB2.0
- 1 x 2,5"HDD Bay, 1 x mSATA
- 1 x HDMI, 2 x 2W Speaker
- DC 9~24V power input

TECHNICAL DATA

SYSTEM

CPU	Intel® Baytrail Celeron J1900 2.0- 2.42GHz
Chipset	Intel® SOC
System Memory	1 x DDR3L 1333MHz SODIMM, max 8GB
BIOS	Insyde SPI 64Mbit flash
Storage	1 x 2.5" SATA HDD Bay, support SATA3 6Gbps HDD/SSD, 1 x mSATA
Display	10.1" LED TFT LCD and HDMI, dual display, Intel® HD Graphics, support Intel Quick Sync Video
Touch	5 wire resistive touch, optional projected capacitive touch USB control
Expansion	1 x Mini PCIe full size with PCIe & USB signal; 1 x mSATA full size

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TECHNICAL DATA

SYSTEM

Real I/O	2 x COM: 1 x RS232, 1 x RS232/422/485, DB9 connector, 1 x USB3.0 Type A, 3 x USB2.0 Type A, 1 x HDMI, 1 x Line out; 2 x RJ45
LAN	Intel® I211AT Chip, 10/100/1000 Mbps
Audio	Realtek ALC282 Audio-Codec integrated, 2 x 2W speaker inside
Control SW	1 x Power LED
Power Supply	DC: 9-24V input, 4-pin M12 connector , consumption: TBD
OS Supply	Windows 7, Windows 8.1, 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
Storage Temperature	-20~60°C
Operating 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 100
Dimension	(W x H x D): 275 x 193 x 51mm; mounting cut out (W x H): 271 x 189mm
Net Weight	1,90 kg
EMC	CE, FCC Class A

LCD

Type	10.1" TFT LED Backlight
Resolution	1280 x 800
Color	16.7M
Pixel Pitch (mm)	0.1695 x 0.1695
Brightness (cd/m2)	350
Viewing Angle	85°(left), 85°(right), 85°(up), 85°(down)
Operating Temperature	-20~70°C
Backlight Lifetime	15000 Hours

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TECHNICAL DATA

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 Lifetime	15 million times	3 billion times