



// ABC X-CPU-5 v57 – control with visualization

An ABC Touch Industrial Panel and our ABC X-CPU-4 w57 complement each other very well and build in combination an unbeatable team, the ABC X-CPU-5 v57.

The ABC X-CPU-5 v57 is equipped with a Profibus/Profinet/EtherCAT master and can thus directly operate the IO level. The integrated control technology is programmed and parameterized with Siemens STEP7 or the TIA portal.

In addition, of course, there is also a suitable visualization for operating and monitoring your process space.

You can find the latest software updates and prices on: www.abcit.eu

TECHNICAL DATA

- 15,0" or 21,5" TFT LCD
- Intel® Skylake-U Core Celeron CPU
- 1 x DDR4 2133 SODIMM, 4GB
- 240GB SSD SATA
- Windows 10
- 1 x fieldbus master or slave (Profibus, Profinet, EtherCAT)
- Siemens STEP5/STEP7/TIA/PCS7 kompatible Steuerungstechnik auf Windows Basis
- High Performance corresponds to S7-CPU417 ((average 10ns/operation); OS dependent)
- Programming is done in STEP7 und TIA
- Siemens STEP7/TIA/PCS7 compatible control technology based on Windows
- Does not require a Simatic NET installation

HARDWARE

SYSTEM

CPU	Intel® Skylake Celeron 3855U 1.6GHz
Chipset	Intel® SOC
System memory	1 x DDR4 2133 MHz SODIMM, 4 GB
Storage	240GB SSD SATA
Display	LED backlight TFT LCD and HDMI (4K resolution), Intel®HD Graphics 510/520

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TECHNICAL DATA

SYSTEM

Touchscreen	15,0": resistive/capacitive, 21,5": capacitive
Resolution	15,0": 1024 x 768, 21,5": 1920 x 1080
Real I/O	2 x COM: 2 x RS232, 2 x RS232/422/485, 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
Power Supply	9 - 36VDC
OS	Windows 10

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-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 mm and 75 x 75 mm
EMC	CE, FCC Class A

SOFTWARE

Timers/Counters	S7 timers 2048 / S7 counters 2048
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DATA RANGE AND REMANENCE

Markers	16 KByte from MB 0 to MB 16383
Process image	16 KByte ON/16 KByte OFF, from EB 0 to EB 16383/AB 0 to AB 16383
Blocks	max. 64 KByte
FB`s max.	65535
FC`s max.	65535
Data blocks max.	65534
Alarms	9 wake-up alarms
Load Memory	64 Mbyte
Work Memory	48 Mbyte
Communication jobs	10000

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