

## >> ABC X-CPU-2 e57 – the compact CPU solution after detachment of the Simatic S5-rack

The ABC X-CPU-2 e57 is a stand-alone PLC-System and consists of an ABC X-CPU-2 m57, a case e57 and is powered by a 24V input voltage. After detachment of the complete periphery of your S5 system by the ABC X-CPU-2 m57, you now have the opportunity in a final stage of your modernization to remove your S5 rack with the help of the case e57. You simply take the m57 out of the S5-rack and you easily get rid of your S5 system.

You still don't have an ABC X-CPU-2 m57? Here is an overview:



4 Gigabit CPUs, 3 fieldbus masters and the unique opportunity to work on S5 and S7 programs simultaneously, the issue of retrofitting SIMATIC S5/S7 systems gives a new dimension.

**ABC-RS7 416 CPU-Software**

**ABC-RS7 416-945 CPU-Software**

**ABC-RS7 416-948 CPU-Software**

**ABC-RS5 945 CPU-Software**

**ABC-RS5 948 CPU-Software**

- PLC System for detachment of S5 racks and for new projects
- Passively cooled system, easy installation
- 24V input voltage
- Command compliant to S7-CPU 416, also in Mixed Mode as 416-945/948
- Quantity structure/Performance equates to S7-CPU417
- Compatible to S5 CPU 945/948
- Supports multiprocessor communication with up to 3x S5-CPU948 and 1x S7-CPU416
- Programming in standard STEP5 and STEP7
- Complete TCP/IP connection for linking of homogeneous and heterogeneous system components integrated
- High Performance (average 10ns/operation)
- Up to three fieldbus Masters Profibus, Profinet, EtherCAT

**ABC IT GmbH**

Virchowstraße 19/19a • 90409 Nuremberg / Germany  
Fon +49-(0)911-394 800 0 • Fax +49-(0)911-394 800 99  
<http://www.abcit.eu> • E-Mail: [mail@abcit.eu](mailto:mail@abcit.eu)

## Technical data hardware:

<b>Processor</b>	Intel® Atom™ Processor N450
<b>Electrical Data</b>	+24Vdc
<b>Operating conditions</b> <ul style="list-style-type: none"> <li>▪ Operating temperature</li> <li>▪ Storage temperature</li> <li>▪ Relative humidity</li> <li>▪ Vibration and shock resistance</li> <li>▪ EMC / burst / ESD</li> </ul>	0°C ... +60°C -40°C...85°C During operations: max. 90 % without condensation 2g/10..500Hz, 20g/10ms acc. IEC1000-4-2 (ESD) acc. IEC1000-4-4 (burst) Emissions acc. 55022, Part B
<b>LEDs</b>	4 LEDs as status and fault indicators
<b>Dimensions (width, height, depth)</b>	49 x 275 x 212 mm
<b>Interfaces</b> Serial  Ethernet	1x AS 511 (TTY) with DSUB 15 2x RS232 with DSUB 9 4x 10/100/1000 Mbps.
<b>Memory extension</b>	2 GB DDR2-667 MHz 8 GB SD Memory Card 64 MB remanent

## Technical data software RS5:

<b>Processing times</b>	Bit operations	10 ns
	Word operations	10 ns
	Fixed point arithmetics	10 ns
	Floating-point arithmetics	10 ns

## Technical data software RS7:

<b>Processing times</b>	Bit operations	10 ns
	Word operations	10 ns
	Fixed point arithmetics	10 ns
	Floating-point arithmetics	10 ns
<b>Timers / Counters</b>	S7 timers 2048	S7 counters 2048
<b>Data range and remanence</b> Markers Process image  Blocks FBs max. FCs max. Data blocks max. Alarms Load memory Work memory Communication jobs	16 KByte from MB 0 to MB 16383 16 KByte In/16 KByte Out From EB 0 to EB16383/AB 0 to AB16383 max. 64 KByte 65535 65535 65534 9 wake-up alarms 20 Mbyte 16 Mbyte 10000	