



// ABC X-EXT-2/6 Extensionboard

Expand your X-CPU-2. The ABC X-EXT-2 Extension board can be plugged directly into their X-CPU-2. With this card, you can expand their plant/system with modern fieldbus components or modernize the existing structure.

There are possible up to 3 fieldbus master: Profibus, Profinet, EtherCAT.

The integration of your fieldbus components in the STEP5/7 project assumes the X-CPU-2. These are displayed as normal peripheral in STEP5/7 program and automatically updated by the process image.

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

TECHNICAL DATA

Bus interface	Mini PCI-Express over adaptation board
Electrical Data	3,3V / 650mA
Operating Temperature	0°C ... 55°C
Dimensions (L x W x H)	167 x 109 x 10 mm

PROFIBUS Master

Slaves max.	125
Cyclic Daten max.	7168 Bytes
DPV1 Klasse 1,2	yes
Configuration data	244 Bytes/Slave
Application spec. parameters	237 Bytes/Slave

PROFIBUS Slave

Cyclic data max.	488 Bytes (IOCR)
DPV1 class 1,2	yes
Configuration data	244 Bytes/Slave
Configuration data	237 Bytes/Slave

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TECHNICAL DATA

PROFIBUS Interface

	EN 50 170
Transmission rate	9,6 kBaud to 12 Mbaud
Controller	netX 100
Interface	RS485, floating
Plug connector	DSub 9
Indication	SYS, COM

EtherCAT Master

Cyclic data	max. 11520 Bytes
Acyclic data	CoE (CAN over EtherCAT)
Features	Emergency, Get OD List, Topologie: Linie

EtherCAT Slave

Cyclic data	max. 400 Bytes
Cyclic data	SDO Master/Slave, SDO Slave/Slave
Features	3 FMMUs and 4 SYNC-Manager COE (CAN over EtherCAT), Complex Slave Emergency

EtherCAT Interface

Transmission rate	100BASE-TX, IEEE 1588 Zeitstempel
Data-Transport-Layer	Ethernet II, IEEE 802.3
Controller	netX 100
Plug connector	2x RJ45 Socket by AIFX-RE
Indication	SYS, RUN, ERR

PROFINET IO Controller

Cyclic data	max. 6144 Bytes
Acyclic data	Read/Write Record, max. 4096 Bytes/Request
Features	Alarm handling, Context Management over CLRPC, DCP, max. 32 Devices, min. cyclic time 1 ms, per device one buffer for diagnostic data available
Supported protocols	RTC – Real Time Cyclic Protocol, class 1, RTA – Real Time Acyclic Protocol, DCP – Discovery and configuration Protocol, CL-RPC – Connectionless Remote Procedure Call

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TECHNICAL DATA

PROFINET IO Device

Cyclic data	max. 2048 Bytes (IOCR)
Cyclic data	Read/Write Record, max. 1024 Bytes/Telegram
Features	Context Management over CLRPC, DCP, Process and diagnostic alarm, 1 Submodul diagnostic, max. 200 Bytes/telegram, max. 244 modules, Target/actual comparison of the configuration VLAN- and Priority-Tagging

PROFINET Interface

Transmission rate	100BASE-TX, IEEE 1588 time stamp
Data-Transport-Layer	Ethernet II, IEEE 802.3
Controller	netX 100
Plug connector	2x RJ45 Socket
Indication	SYS, SF, BF

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