

Protocol converters



Full compatibility with Profinet, Profibus, Modbus RTU and CANopen protocols.
Easy configuration via Ethernet.
DIN Rail standard dimensions.

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Main features



CNV510-PBUS-RTU



CNV510-PNET-RTU



CNV510-PBUS-CAN



CNV510-PNET-CAN

DIMENSIONS (mm)	DIN43880 – 4 moduls 71x90x64			
POWER SUPPLY	12..24 V DC			
SLAVE PROTOCOL	Profibus DP	Profinet	Profibus DP	Profinet
MASTER PROTOCOL	Modbus RTU	Modbus RTU	CAN Open	CAN Open
CONNECTION TYPES	DB9 (Profibus), terminal blocks (Modbus RTU)	RJ45 (Profinet), terminal blocks (Modbus RTU)	DB9 (Profibus), terminal blocks (CAN Open)	RJ45 (Profinet), terminal blocks (CAN Open)
CONFIGURATION VIA ETHERNET	●	●	●	●

SOFTWARE FEATURES

INPUT BYTE	512	512	512	512
OUTPUT BYTE	512	512	512	512
SLAVE NODES	247	247	125	125
FUNCTIONS PROTOCOL	245	512	245	512

PROGRAMMING OPTIONS

COMPATIBILITY: SIEMENS STEP7 / TIA PORTAL (.gsd file)	●	●	●	●
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Programming tool

Configuration Tool available on www.pixsys.net

Set Modbus Access

#	Slave ID	Type	Address	NPoint	Poll Time	Max Error	Position	Start Bit	Swap	Swap Word	Mnemonic
1	1	Holding Register	100	1	3000	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>	Temperature
2	2	Holding Register	200	2	3000	0	2	0	<input type="checkbox"/>	<input type="checkbox"/>	RPM
3	2	Input Status	300	3	3000	0	4	0	<input type="checkbox"/>	<input type="checkbox"/>	Status
4	2	Input Register	400	1	3000	0	5	0	<input type="checkbox"/>	<input type="checkbox"/>	Alarm Status
5									<input type="checkbox"/>	<input type="checkbox"/>	
6									<input type="checkbox"/>	<input type="checkbox"/>	
7									<input type="checkbox"/>	<input type="checkbox"/>	
8									<input type="checkbox"/>	<input type="checkbox"/>	
9									<input type="checkbox"/>	<input type="checkbox"/>	
10									<input type="checkbox"/>	<input type="checkbox"/>	

Set Communication

Set Communication Setting

1. Hardware Type

Hardware Type: Hardware Without Ethernet

2. Modbus Master

Serial: RS485
Baudrate: 115200
Parity: NONE
Stop Bits: 1 Stop Bit
TimeOut (ms): 1000
Cyclic Delay (ms): 100
Protocol: Modbus RTU
Write Type: Write on Change Data

3. PROFIBUS

ID Device: 1
Baudrate: Auto Baudrate
Number Byte In: 16
Number Byte Out: 16

Enable Modbus only if PROFIBUS is Active

Enable Error/Diagnosis for Modbus Slaves
Number Continuous Error: 3

Enable PROFIBUS Diagnosis

Ordering codes

CNV510-PBUS-RTU	Protocol converter Modbus RTU - Profibus
CNV510-PBUS-CAN	Protocol converter CANOpen - Profibus
CNV510-PNET-CAN	Protocol converter CANOpen - Profinet
CNV510-PNET-RTU	Protocol converter Modbus RTU - Profinet