

# Protocol converters



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

# 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](http://www.pixsys.net)

The screenshot displays the Pixsys configuration tool interface. The main window is titled 'Compositor SW67602 - PROFINET / Modbus' and shows 'PROFINET / Modbus Master - Converter' settings. Below this, there are buttons for 'New Configuration' and 'Open Configuration'. Two smaller windows are overlaid on top:

- Set Modbus Access:** A table for configuring Modbus access for 10 slaves. The table has columns for Slave ID, Type, Address, NPoint, Poll Time, Max Error, Position, Start Bit, Swap, Swap Word, and Mnemonic. The 4th slave is selected, showing an 'Input Register' at address 400 with a poll time of 3000 ms and a mnemonic of 'Alarm Status'.
- Set Communication:** A dialog box for setting communication parameters. It is divided into three sections:
  - 1. Hardware Type:** Hardware Type is set to 'Hardware Without Ethernet'.
  - 2. Modbus Master:** Serial is 'RS485', Baudrate is '115200', Parity is 'NONE', Stop Bits is '1 Stop Bit', TimeOut (ms) is '1000', Cyclic Delay (ms) is '100', Protocol is 'Modbus RTU', and Write Type is 'Write on Change Data'.
  - 3. PROFIBUS:** ID Device is '1', Baudrate is 'Auto Baudrate', Number Byte In is '16', and Number Byte Out is '16'. There are checkboxes for 'Enable Modbus only if PROFIBUS is Active', 'Enable Error/Diagnosis for Modbus Slaves', and '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