

## XIOS PLC Application



- ✓ **Extensive PLC functions**
- ✓ **Flexible by programming on the basis of CoDeSys\***
- ✓ **MATLAB™/Simulink\* interface for easy coding**
- ✓ **Scalable number of I/O boards, modular design**
- ✓ **I/Os individually configurable by software**

The HEINZMANN modular universal controller XIOS UC 1 presents an entirely new generation of controller. In particular it offers extensive PLC functions.

The basic high performance main board (MC) of XIOS UC 1 comes equipped with 13 inputs and 2 outputs. 9 further I/O modules (MA) can be attached to it, each able to serve several further I/O channels. Additionally, one more expander module (MD 1) offering 8 more configurable I/O channels as well as 2 outputs and 4 inputs can be attached. At last each expander module provides connection of 6 further I/O modules (MA) as well.

The jumperless I/O boards are configurable by software. They can be attached in different number and type to the main board.

XIOS UC 1 enables customers to develop their own functions on the basis of CoDeSys\* (IEC 61131-3) or MATLAB™/ Simulink\*. This allows building up extensive and flexible functions.

Ethernet, CAN, RS-232 and RS-485 are supplied as communication interfaces, USB for peripherals. Connections to XIOS are simply established via screwless quick-set terminals.

Module type	I/Os	Module Extensions
Main board (MC)	13× input 2× output	5× slot for module type MA 1× slot for module type MD 1

Expander board (MD 1)	12× input 2× output	6× slot for module type MA
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Extension boards (MA)	Each configurable by software
A1	2× thermocouple amplifier
A2	4× analogue or digital outputs
A3	4× analogue or digital inputs
A4	2× analogue or digital inputs, electrically isolated
A5	2× analogue or digital outputs, electrically isolated
A6	2× analogue outputs, electrically isolated
A7	6× digital inputs
A8	2× digital outputs half bridge
A9	1× full bridge output (4Q)

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