

## **ACN MPU2** processor module

The ACN MPU2 is a fast, Coldfire™ architecture based processor module for ACN motion control systems.

It's an ideal choice for synchronization, position profiling and path control of electrical drives or hydraulics. The ACN MPU2 provides one of the most flexible concepts in motion control for au-

tomation of machinery and production lines on the market today by combining CNC, PLC and computer functions into a single, high-level programmable system. Modbus® fieldbus support further simplifies applications with compatible drives and controllers.

- Up to 100 servo axes
- Master/slave operation
- Low power consumption
- Fast ethernet port for easy system integration
- Modbus® fieldbus support
- Compatible with legacy Arlacon MC400 systems

Technical data	
Construction	ACN processor module
Installation	ACN motion controller system
Dimensions	Module 190 x 125 x 50 mm, front panel 190 x 50 mm
Environment	Storage temp10+65 ℃
	Operating temp. 0+40 ℃
	Humidity <95 % RH, non-condensing
Operating voltage	20-28 VDC max. 200 mA

CPU	
Processor	MCF5271 Coldfire™ 100 MHz MCU
System memory	16 Mbytes SDRAM
Mass memory	2 Gbytes internal FLASH, (1 Gbyte for user), 1 x external SDHC card slot
Real time clock	yymmddhhmmss, lithium battery

Software	
Operating system	McDos
Programming language	McBasic
PC-software	McBench 2.0 for Windows XP and 7



1/0	
Serial ports	2 x (6 x) RS232/ RS422/ RS485 134 bit/s460 kbit/s, xon/xoff handshake.
McWay –loops	4 x RS485 1016 bit 1.25 Mbit/s master/slave via twisted pair or optical fiber with MPU-OCB -modules. Optionally each McWay loop can be configured as a serial port.
Fieldbus support	Modbus® (RTU/TCP/UDP)
Ethernet	1 x RJ45 10/100 BaseTx Full/Half duplex, autonegotiate, autopolarity, TCP/IP data transfer, NetBios client for Windows 98, NT4, 2000, XP and 7
USB	1 x USB 2.0 port for programming and monitoring

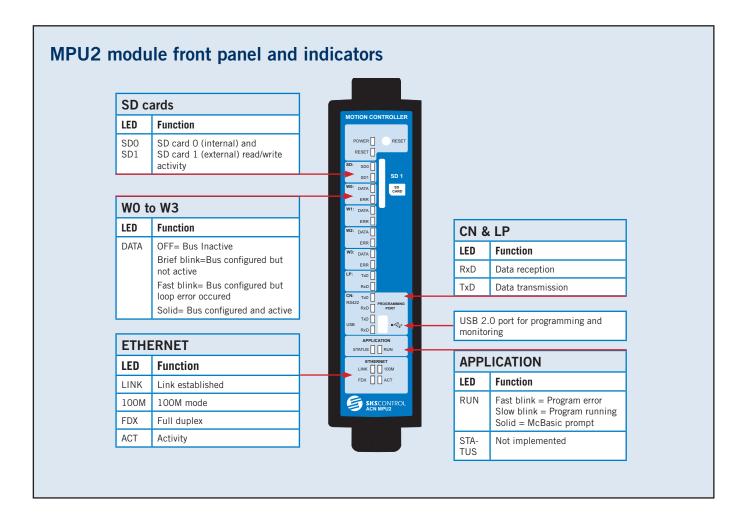


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## MPU2 back plate and configuration options

## MPU2 module side connectors

