



# BoX2 pro motion

High-performance CODESYS motion controller

- EtherCAT
- Distributed clock
- CODESYS CNC-license (for circular interpolation, axis groups etc.)
- No iX functionality. No 2nd fieldbus, limited to EtherCAT only
- IP20

## Facts

### General description

Part number	100-1155
Life cycle status	Mature
Warranty	Up to 2 years

### Certifications

General	CE, FCC, KCC
Marine	LR, ABS, BV, DNV GL
Safety	UL 61010-2-201

### Mechanical

Mounting option	DIN rail/mounting plate
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### System

CPU	i.MX6DualLite Dual Cortex-A9 1.0GHz 512kBL2cache
RAM	1 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

## Softcontrol

Codesys runtime version	3.5.10.10
Codesys EtherCAT	Yes
Codesys Modbus Ethernet	No
Codesys Modbus RTU	No
CANopen	No
Non volatile variables	Yes

## Ethernet communication

Number of Ethernet ports	2
Ethernet port 1	EtherCAT Rj45
Ethernet port 2	1x10/100 Base-T (shielded RJ45)

## Expansion interface

SD card	SD and SDHC
USB	1xUSB 2.0 500mA

## Environmental

Operating temperature	-10°C to +60°C
Storage temperature	-20°C to +70°C
Shock	15g, half-sine, 11ms according to IEC60068-2-27
Vibration	1g, according to IEC 60068-2-6, Test Fc
Sealing front	IP20
Sealing back	IP20
Humidity	5% – 85% non-condensed
Altitude (max)	< 3000m

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