



CODESYS

EtherCAT

CANopen

XtracontrolDC2 TouchPanel DialogController



Characteristics

- Cost effective
- Powerful CPU
- Optimized for servo applications

Display

- 4,3" - 15,6" Colour-LCD
- Resistive Touchscreen

Software packages

- CODESYS V3 Soft-SPS
- CODESYS SoftMotion
- XtracontrolEasyMotion

Interfaces

- CANopen, EtherCAT
- Ethernet
- USB
- Serial

Special features

- Digital and analog I/Os Onboard
- For rough industrial environment
- Micro-SD Slot

XtracontrolDC2, TouchPanel DialogController

The new **TouchPanel DialogController** expands the **system** concept from Infranor for small and medium applications. Thus it can be even better scaled for the application of price and performance.

They are based on a powerful 800MHz ARM processor with Cortex-A9 core. It is equipped with colour LCD-display and touch, USB-Host, 2xEthernet, CAN, Serial, as well as digital and analog I/Os onboard. CAN and Ethernet can be used as CANopen-Master and EtherCAT-Master.

The product line is available in various software packages.

Technical specifications

System		Display	
- Processor	800MHz ARM with Cortex-A9 core	- Size / Resolution / Format	4,3" / 480x272 WQVGA / 16:9
- Memory	256MB RAM		7" / 800x480 WVGA / 16:9
- Data-/Program memory	256MB Onboard-Flash changable MicroSD-Card (optional)		11" / - / -
- Retain data	100kB FRAM (without backup battery)	- Type, Num. of Colours	15,6" / 1366x768 WXGA / 16:9 Colour-LCD with 256k (18 Bit; 3x6 RGB) LED backlight
Operating system		Touch	
- Linux	with real-time extension	- Type	4-wire, analog resistive
Interfaces		Power supply	
- Ethernet	1x 10/100MBit, RJ45	- Nominal	24 VDC, typ. 0,3 A, max. 3,0 A incl. I/Os
- EtherCAT	1x EtherCAT-Master, RJ45	- Permissible Range	20,4 ... 28,8 VDC (max. 5% VAC)
- CAN	1x CAN, optoisolated (CAN or CANopen-Master)	General data	
- USB	1x Host USB 2.0	- Climate for operation	0 ... 55°C
- Serial	2x COM, RS232 and RS485, optoisolated		max. 85% rel.humidity, non condensing
- MicroSD	1x MicroSD-Card Slot	- Climate for transport/storage	-20 ... 70°C
Onboard I/Os			max. 85% rel.humidity, non condensing
- digital	4x Input 4x output (0,5 A)	- Standards	CE (EN 61131-2), cUL (61010-2-201)
- analog	4x input (-10..+10 V) (2x input with 3-wire Sensor)	- Protection rating	IP65 front, IP20 rear side
		- EMC class	EN61000-6-2, EN61000-6-3
		- Shape	Front panel mounting
		- Cooling	passive, Fanless

Software packages

The standard package it is equipped with **CODESYS V3**, the powerful IEC-61131 SoftPLC incl. **TargetVisu** and **WebVisu**.



With the packages „**SoftMotion**“ and „**SoftMotionCNC**“ it is available with **CODESYS** including the powerful **SoftMotion** expansions for coordinated multi-axes movements.



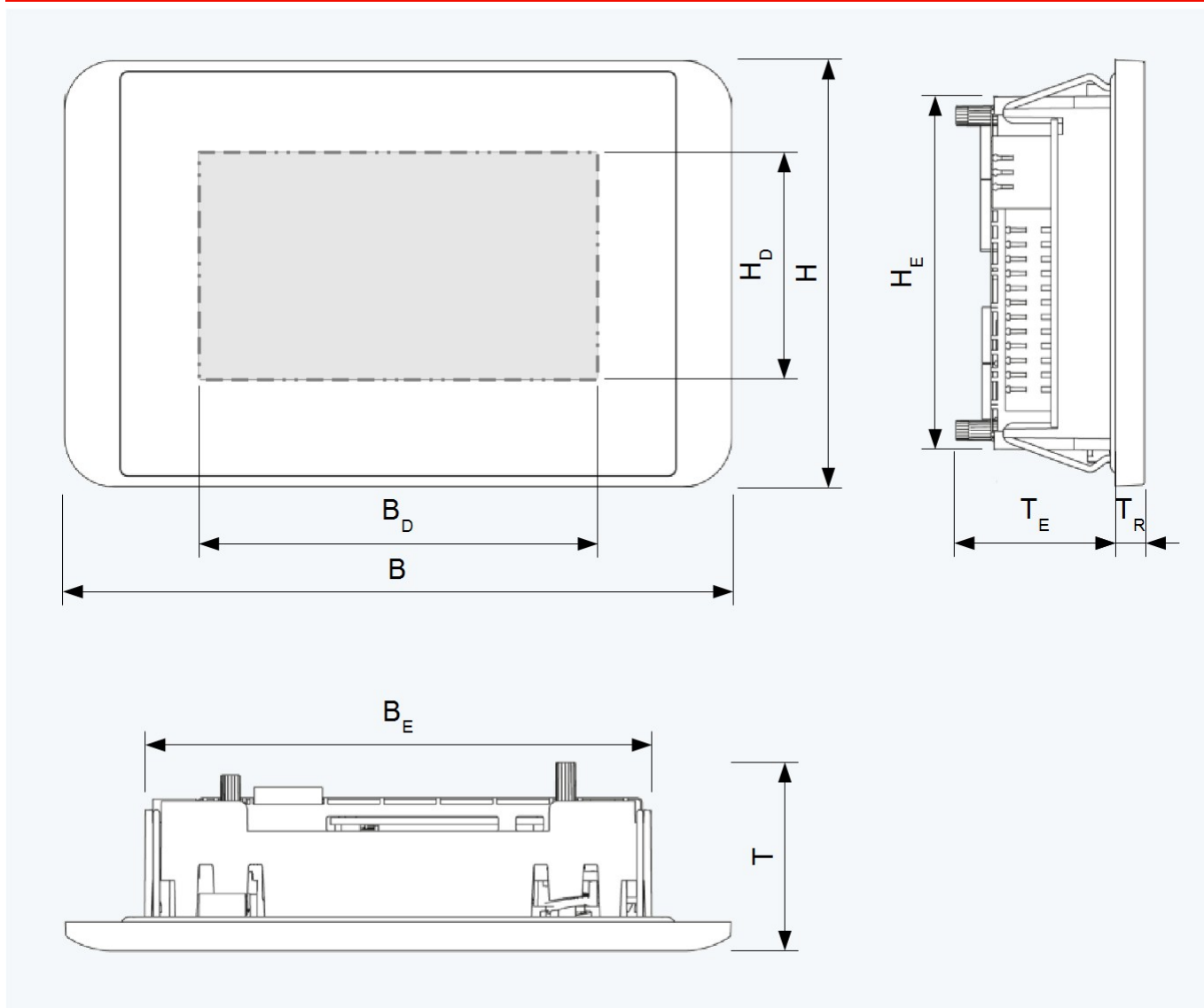
With the package „**EasyMotion**“ it is available with the powerful and „easy-to-use“ **XtracontrolEasyMotion** control software from Infranor.



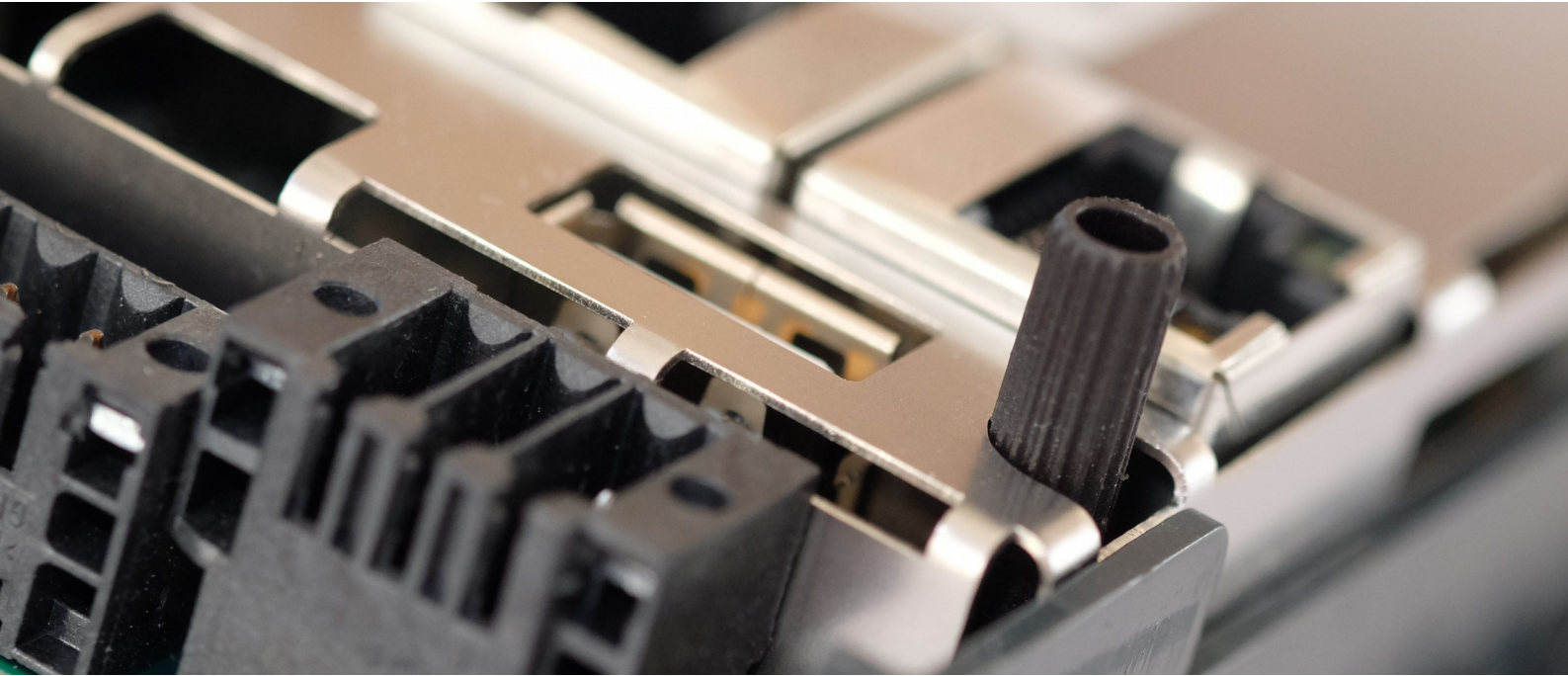
Without any moving mechanical parts, the device is ideally suited for harsh environments. The seamless resistive touch screen enables quick, intuitive and ergonomic operation.

The mechanical mounting concept with a simple rectangular cut-out and the twist-lock catches allow for quick and cost effective installation!

Dimensions



Dimensions [mm]	B	H	T	B _D	H _D	B _E	H _E	T _E	T _R
DC2 4,3"	161,0	103,0	42,0	96,0	55,0	122,6	85,3	35,0	7,0
DC2 7"	224,0	152,0	45,0	155,0	86,0	185,6	135,4	38,0	7,0
DC2 11"	in preparation								
DC2 15,6"	in preparation								



Infranor Group

Infranor creates added value for its customers by providing tailor-made motion solutions

Based on strong working relationships, Infranor offers extensive market know-how, comprehensive engineering skills and a wide range of high-quality products leading to productivity gains and therefore to comparative advantages for its customers in their respective markets.

The Infranor Brand

The Infranor Brand is a synonym for:

- Excellence
- Cooperation
- Added value

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