**Beijer**
**E L E C T R O N I C S**

**X2 control 10**

## 10" HMI with iX runtime and CODESYS soft control

1024 × 600 pixel (16:9) TFT-LCD touch screen
1.5 GB application memory
Ethernet 2x100 Mbit
EtherCAT as standard
CODESYS control integrated
CE, FCC, KCC, UL approvals
DNV GL, KR, LR, ABS, CCS, BV, NK, RS marine approvals

# Facts

## General description

| | |
|---|---|
| Part number | 630001905 |
| Life cycle status | Active |
| Warranty | 2 year |

## Certifications

| | |
|---|---|
| General | CE, FCC, KCC, UL 61010-2-201 |
| Marine | KR, LR, ABS, BV, CCS, NK, DNV GL, RS |
| Safety | UL 61010-1, UL 61010-2-201, CAN/CSA-C22.2 No. 61010-1, CAN/CSA-C22.2 No. 61010-2-201 |

## Mechanical

| | |
|---|---|
| Mechanical size | 292 x 194 x 52mm |
| Mounting option | Panel Mount, VESA 75 x 75 |
| Number of touches | 1million finger touch operations |
| Touch type | Resistive |
| Cut-out size | 275 x 177mm |
| Weight | 1.65 kg |
| Housing material | Powder-coated aluminum, Gray |

## Power

| | |
|---|---|
| Input voltage | 24 V DC (18 to 32 VDC) CE: The power supply must conformwith the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supplymust conformwith the requirements for class II power supplies. |
| Power consumption (max) | 21.6W |
| Input fuse | Internal DC fuse |

## Digtal IO

| | |
|---|---|
| Digital output | 2xDO Solid state relay, 0.5A@24VDC |

## Serial communication

| | |
|---|---|
| Number of serial ports | 1 Port 9pin DSUB |
| Serial port 1 | RS 232 (RTS/CTS) |
| Serial port 2 | RS422/485 |
| Serial port 3 | RS485 (only if COM 2 is RS485) |

## Ethernet communication

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

## Communication CAN

| | |
|---|---|
| Number of CAN ports | 2 |
| CAN port 1 | 0.5 MBit |
| CAN port 2 | 0.5 MBit |

## Expansion interface

| | |
|---|---|
| Expansion port | Yes, ciX expansion module |
| SD card | SD and SDHC |
| USB | 2xUSB 2.0 500mA |

## System

| | |
|---|---|
| Hardware platform | X2 |
| CPU | i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache |
| RAM | 2 GB |
| FLASH | 2GB SSD(eMMC), 1.5GB free for application |

## Display

| | |
|---|---|
| Size diagonal | 10.1" diagonal |
| Resolution | 1024x600 pixels |
| Backlight | LED Backlight |
| Backlight life time | 50000 hours |
| Backlight brightness | 500 cd/m2 |
| Backlight dimming | Industrial Dimming |
| Display type | TFT-LCD with LED backlight |

## Softcontrol

| | |
|---|---|
| Codesys runtime version | 3.5 |
| Codesys EtherCAT | Yes |
| Codesys Modbus Ethernet | Yes |
| Codesys Modbus RTU | Yes |
| CANopen | Yes |
| Non volatile variables | 64 KB |

## 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 | IP65, NEMA 4X/ 12 and UL 50E Type 4X/ 12 |
| Sealing back | IP20 |
| Humidity | 5% – 85% non-condensed |