



## Facts

### General description

Part number	640009005
Life cycle status	Active
Warranty	2 year

### Certifications

General	CE, FCC, KCC, UL 61010-2-201
Marine	KR, LR, ABS, CCS, NK, DNV GL, BV, 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	410 x 286 x 61mm
Mounting option	Panel Mount, VESA 75 x 75
Number of touches	1 million finger touch operations
Touch type	Resistive
Cut-out size	394 x 270mm
Weight	3.85 kg
Housing material	Powder-coated aluminum, Black

### Power

Input voltage	24 V DC (18 to 32 VDC)CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4.UL and cUL: The power supply must conform with the requirements for class II power supplies.
Power consumption (max)	31.2W
Input fuse	Internal DC fuse

### System

CPU	i.MX6Quad, Quad ARM Cortex-A9 1.0GHz 1M BL2 cache
RAM	2 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

## X2 marine 15 SC

### 15" HMI with iX runtime

1280 × 800 pixel (16:10) TFT-LCD touch screen  
1.5 GB application memory  
Ethernet 2x100 Mbit  
CODESYS control integrated  
CE, FCC, KCC, UL approvals  
DNV GL, KR, LR, ABS, CCS, BV, NK, RS marine approvals

### Digital IO

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

### Environmental

## Display

Size diagonal	15.4" diagonal
Resolution	1280x800 pixels
Backlight	LED Backlight
Backlight life time	50000 hours
Backlight brightness	450 cd/m2
Backlight dimming	Marine optimized 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

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

## Smart Engineering Resources