



## X2 extreme 7 12V

7" Rugged HMI with iX runtime

800 × 480 pixel (16:9)  
TFT-LCD touch screen  
1.5 GB application memory  
Ethernet 1x100 Mbit  
-30°C to +70°C operating temperature  
DNV GL, KR, LR, ABS, CCS, BV, NK marine approvals  
UL Class I Div 2, ATEX/IECEX Zone 2,22, CNEX

## Facts

### General description

Part number	640014005
Warranty	Up to 2 years

### Certifications

General	CE, FCC, KCC, UL 61010-2-201, UL 746C
Hazardous	UL C1D2, IECEx (Zone2), ATEX (Zone2), ATEX (Zone22), IECEx (Zone22), CNEX
Marine	KR, LR, ABS, CCS, BV, NK, DNV GL

## Mechanical

Mechanical size	204 x 143 x 62mm
Mounting option	Panel Mount
Number of touches	1million finger touch operations
Touch type	Resistive
Cut-out size	189 x 128mm
Weight	0.8 kg
Housing material	Powder-coated aluminum, Black

## Power

Input voltage	12 V DC (9 to 16 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 2 power supplies.
Power consumption (max)	11 W
Input fuse	Internal DC fuse

## System

Hardware platform	X2 extreme
CPU	i.MX6DualLite, Dual Cortex-A9 800MHz 512kBL2cache
RAM	1 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

## Display

Size diagonal	7" diagonal
Resolution	800x480 pixels
Backlight	LED Backlight
Backlight life time	50000 hours
Backlight brightness	500 cd/m2
Backlight dimming	Marine optimized dimming
Display type	TFT-LCD with LED backlight

## Serial communication

Number of serial ports	1 Port 9pin DSUB
Serial port 1	RS 232 (RTS/CTS)
Serial port 2	RS422/RS485/CAN

## Ethernet communication

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

## Communication CAN

Number of CAN ports	1
CAN port 1	1 Mbit

## Expansion interface

SD card	SD and SDHC
USB	2xUSB 2.0 500mA

## Environmental

Operating temperature	-30°C to +70°C
Storage temperature	-40°C to +80°C
Shock	40g, half-sine, 11ms according to IEC60068-2-27
Vibration	4g, according to IACS E10
Sealing front	IP66, NEMA 4X/ 12 and UL Type 4X/ 12
Sealing back	IP20
Humidity	5% – 95% non-condensed
Altitude (max)	< 3000m

## People & Technology. Connected.

We are a people company. Our experienced, skilled and passionate people empower you to meet your challenges through best-in-class, user-friendly solutions. We are a technology company. We help you optimize processes through our software, hardware and services, and through our support. Connecting people and technologies gives you the means to accomplish your goals and ambitions, and gain a competitive edge in today's digitalized world.

Visiting address HQ: Stora Varvsgatan 13a

SE - 211 75 Malmö, SWEDEN

[+46 40 35 86 00](tel:+4640358600) (tel:+46 40 35 86 00)

[info@bejerelectronics.com](mailto:info@bejerelectronics.com) (mailto:info@bejerelectronics.com)