



## X2 extreme 15

15" Rugged HMI with iX runtime

1280 × 800 pixel (16:10)

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       | 640014605     |
| Life cycle status | Active        |
| 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   | 410 x 286 x 73mm                 |
| Mounting option   | Panel Mount                      |
| Number of touches | 1million finger touch operations |
| Touch type        | Resistive                        |
| Cut-out size      | 394 x 270mm                      |
| Weight            | 4.1 kg                           |
| Housing material  | Powder-coated aluminum, Black    |

## Power

|                         |   |
|-------------------------|---|
| Input voltage           | 24 VDC (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 supply must conform with the requirements for class 2 power supplies. |
| Power consumption (max) | 18 W  |
| Input fuse              | Internal DC fuse  |

## System

|                   |  |
|-------------------|--|
| Hardware platform | X2 extreme   |
| CPU               | i.MX6DualLite, Dual Cortex-A9 800MHz 512kB L2cache |
| RAM               | 1 GB   |
| FLASH             | 2GB SSD(eMMC), 1.5GB free for application          |

## 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 |

## 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)