



X3 marine 15 P

15" HMI with iX app

High performant marine HMI
 Design optimized for use in marine environments
 Cybersecurity design based on IEC 62443-4-2
 15,4" 1280 × 800 pixel (16:10) TFT-LCD with resistive touchscreen
 -10°C to 60°C operating temperature
 -20°C to 70°C storage temperature
 CE, FCC, KCC, marine certifications

Facts

General description

| | |
|-------------------|---------------|
| Part number | 640003315 |
| Life cycle status | Active |
| Warranty | Up to 2 years |

Certifications

| | |
|---------|-------------------------------|
| General | CE, FCC, KCC |
| Marine | DNV, ABS, LR, BV, NK, CCS, KR |
| Safety | UL 61010-2-201 |

Mechanical

| | |
|-------------------|----------------------------------|
| Mechanical size | 410 x 286 x 74 mm |
| Mounting option | Panel Mount / VESA 75 x75 |
| Number of touches | 1million finger touch operations |
| Touch type | Resistive |
| Cut-out size | 394 x 270 mm |
| Weight | 3,7 kg |
| Housing material | Powder-coated aluminum, Black |

Power

| | |
|-------------------------|--|
| Input voltage | 24 VDC (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 2 power supplies. |
| Power consumption (max) | typ- 21W / max. 26W |
| Input fuse | Internal DC fuse, 4 AT |

System

| | |
|-------------------|---|
| Hardware platform | P |
| CPU | i.MX 8M Plus Quad Cortex®-A53 1,6GHz |
| RAM | 4 GB |
| FLASH | 32 GB eMMC |
| Cybersecurity | Cybersecurity design based on IEC 62443-4-2 |

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 Wide Dimming |
| Display type | TFT-LCD with LED backlight |
| Display pixel error | Class I, according to ISO 9241-307 |

Serial communication

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

Ethernet communication

| | |
|--------------------------|--------------------------------------|
| Number of Ethernet ports | 2 |
| Ethernet port 1 | 1x10/100/1000 Base-T (shielded RJ45) |
| Ethernet port 2 | 1x10/100/1000 Base-T (shielded RJ45) |

Expansion interface

| | |
|---------|------------------------------------|
| SD card | 1 x SD card |
| USB | 1 x USB Host 3.0, 1 x USB Host 2.0 |

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 IACS E10 |
| Sealing front | IP65 |
| Humidity | 5% – 85% non-condensed @25°C |
| Altitude (max) | < 3000m |

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