



X2 marine 7

7" HMI with iX runtime

800 × 480 pixel (16:9) TFT-LCD touch screen

1.5 GB application memory

Ethernet 1x100 Mbit

CE, FCC, KCC, UL approvals

DNV GL, KR, LR, ABS, CCS, BV, NK marine approvals

Facts

General description

Part number	630002505
Life cycle status	Active
Warranty	Up to 2 years

Certifications

General	CE, FCC, KCC, UL 61010-2-201
Marine	KR, LR, ABS, CCS, NK, DNV GL, BV
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	204 x 143 x 50mm
Mounting option	Panel Mount, VESA 75 x 75
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	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)	14.4W
Input fuse	Internal DC fuse

System

Hardware platform	X2
CPU	i.MX6Solo Single Cortex-A9 1.0GHz 512kBL2cache
RAM	512 MB
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	RS422/485
Serial port 3	RS485 (only if COM 2 is RS485)

Ethernet communication

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

Expansion interface

Expansion port	Yes, ciX expansion module
SD card	SD and SDHC
USB	1xUSB 2.0 500mA

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

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