



Facts

General description

Part number	640014205
Part status	Active
Warranty	2 year

Certifications

General	CE, FCC, KCC, UL 61010-2-201
Hazardous	ULC1D2, ATEX (Zone2), ATEX (Zone22), IEXEx (Zone2), IEXEx (Zone22)
Marine	DNV, KR, GL, LR, ABS, CCS, BV

Mechanical

Mechanical size	205 x 160 x 65mm
Mounting option	VESA 75 x 75
Number of touches	1million finger touch operations
Touch type	Resistive
Cut-out size	N/A
Weight	1.6 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)	17 W
Input fuse	Internal DC fuse

System

CPU	i.MX6Quad, Quad ARM Cortex-A9 1.0GHz 1MBL2cache
RAM	2 GB
FLASH	4GB SSD(eMMC), 3.5GB free for application

X2 extreme 7 SL HP

7" Rugged sealed HMI with iX runtime

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

High brightness display

M12 connectors - IP66

Ethernet 2x100 Mbit

-30°C to +70°C operating temperature

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

UL Class I Div 2, ATEX/IECEx Zone 2,22

Display

Size diagonal	7" diagonal
Resolution	800x480 pixels
Backlight	LED Backlight
Backlight life time	100000 hours
Backlight brightness	1000 cd/m2
Backlight dimming	Marine optimized dimming, down to 0,5 cd/m2
Display type	TFT-LCD with LED backlight

Communication serial

Number of serial ports	2 Port 8pin M12
Serial port 1	RS 232
Serial port 2	RS422 (RTS)/RS485
Serial port 3	RS 485

Ethernet communication

Number of ethernet ports	2
Ethernet port 1	1x10/100 Base-T (4 pin M12)
Ethernet port 2	1x10/100 Base-T (4 pin M12)

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 IEC 60068-2-6, Test Fc
Sealing front	IP65
Sealing back	IP65
Humidity	5% – 95% non-condensed

Everything for your HMI running

Drivers



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