



## X2 extreme 15 SL HP SC

15" Rugged sealed HMI with iX runtime/CODESYS

1280 × 800 pixel (16:10) TFT-LCD touch screen  
 High brightness display  
 CODESYS control integrated  
 M12 connectors - IP66  
 -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	640017005
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 65mm
Mounting option	VESA 100 x 100
Number of touches	1million finger touch operations
Touch type	Resistive
Cut-out size	N/A
Weight	4.8 kg
Housing material	Powder-coated aluminum, Black

## Power

Input voltage	24 V DC (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 supplymust conformwith the requirements for class II power supplies.
Power consumption (max)	32 W
Input fuse	Internal DC fuse

## System

Hardware platform	X2 extreme SL
CPU	i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache
RAM	2 GB
FLASH	4GB SSD(eMMC), 3.5GB free for application

## Display

Size diagonal	15.4" diagonal
Resolution	1280x800 pixels
Backlight	LED Backlight
Backlight life time	100000 hours
Backlight brightness	1000 cd/m2
Backlight dimming	Marine optimized dimming
Display type	TFT-LCD with LED backlight

## Softcontrol

Codesys runtime version	3.5
Codesys EtherCAT	Yes
Codesys Modbus Ethernet	Yes
Codesys Modbus RTU	Yes
CANopen	Yes
Non volatile variables	Yes

## Serial communication

Number of serial ports	2 Port 8pin M12
Serial port 1	RS 232
Serial port 2	RS422/RS485/CAN
Serial port 3	RS485/CAN

## 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)

## Communication CAN

Number of CAN ports	2
CAN port 1	1 Mbit
CAN port 2	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 (IP65 for ATEX/IECEX)
Sealing back	IP66 (IP65 for ATEX/IECEX)
Humidity	5% – 95% non-condensed
Altitude (max)	< 3000m

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