



X2 extreme 12 SL HP

12" Rugged sealed HMI with iX runtime

- 1280 × 800 pixel (16:10) TFT-LCD touch screen
- High brightness display
- M12 connectors - IP66
- Ethernet 2x100 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	640014505
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	341 x 243 x 65mm
Mounting option	VESA 100 x 100
Number of touches	1million finger touch operations
Touch type	Resistive
Cut-out size	N/A
Weight	3.4 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)	23 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	12.1" diagonal
Resolution	1280x800 pixels
Backlight	LED Backlight
Backlight life time	70000 hours
Backlight brightness	1000 cd/m2
Backlight dimming	Marine optimized dimming
Display type	TFT-LCD with LED backlight

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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