



X2 extreme 15
15" Rugged HMI with iX runtime

1280 × 800 pixel (16:10)
 TFT-LCD touch screen
 1.5 GB application memory
 Ethernet 1x100 Mbit
 -30°C to +70°C operating temperature
 DNV GL, KR, LR, ABS, CCS, BV, NK, RS marine approvals
 UL Class I Div 2, ATEX/IECEX Zone 2,22

Facts

General description

Part number	640014605
Life cycle status	Active
Warranty	2 year

Certifications

General	CE, FCC, KCC, UL 61010-2-201, UL 746C
Hazardous	ULC1D2, ATEX (Zone2), ATEX (Zone22), IECEx (Zone2), IECEx (Zone22)
Marine	KR, LR, ABS, CCS, BV, NK, DNV GL, RS

Mechanical

Mechanical size	410 x 286 x 73mm
	Panel Mount
	1million finger touch operations
Touch type	Resistive
Cut-out size	394 x 270mm
Weight	4.1 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)	18 W
Input fuse	Internal DC fuse

CPU	i.MX6DualLite, Dual Cortex-A9 800MHz 512kBL2cache
RAM	1 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

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 optimized dimming
Display type	TFT-LCD with LED backlight

Drivers

Serial communication

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

Ethernet communication

Number of Ethernet ports	1
Ethernet port 1	1x10/100 Base-T (shielded RJ45)
	1
	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 IEC 60068-2-6, Test Fc
Sealing front	IP66, NEMA 4X/ 12 and UL Type 4X/ 12
Sealing back	IP20
Humidity	5% – 95% non-condensed
Altitude (max)	< 3000m

ABB - COMLI Master (5.7.2)
ABB - COMLI Slave (4.11.0)

Lenze - LECOM A/B (5.6.0)
LS Industrial System - Glofa (5.3.0)

More drivers ▼

⚙️ Smart Engineering Resources

📎 Custom recipe - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/6774/custom-recipe---ix-script-module)	📎 Barcode scanner serial - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10086/barc-script-module)
📎 MJPEG graphical control - iX application (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/6775/mjpeg-graphical-control---ix-application)	📎 X2 base V2 to GL9971 (PIO) sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10254/x2ba)
📎 Password expire - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7277/password-expire---ix-script-module)	📎 X2 to BFI-P2/H3 by Modbus TCP - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10255/x2-to-tcp---ix-script-module)
📎 Barcode scanner USB - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/6777/barcode-scanner-usb---ix-script-module)	📎 X2 to BFI by Modbus RTU - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10256/x2-to-script-module)
📎 FTP Client - iX sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10374/ftp-client-ix-sample)	📎 MQTT Client - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10257/mqtt)
📎 Log custom debug messages - iX sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/6781/log-custom-debug-messages---ix-sample)	📎 MQTT Client (JSON) - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10227/mqtt)
📎 Recipes with pictures - iX sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7068/recipes-with-pictures---ix-sample)	📎 Detect Internet connection - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10258/detect-ix-script-module)
📎 Customise report - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7070/custom-report---ix-script-module)	📎 Detect VNC Client - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10259/detect-module)
📎 DatePicker - iX Developer script (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7071/datepicker-ix-developer-script)	📎 Detect USB or SD card - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10260/detect-script-module)
📎 Execute external SQL queries from file (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7275/execute-external-sql-queries-from-file)	📎 X2 to BFI-E3 by Modbus TCP - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10387/x2-to-ix-script-module)
📎 Power BI basic process data template (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/9999/power-bi-basic-process-data-template)	📎 Login dialog customized - iX script sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10389/login-script-sample)
📎 Excel basic process data template (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7269/excel-basic-process-data-template)	📎 Genset sample - iX template (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10671/genset)
📎 Scheduler online editor - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10003/scheduler-online-editor---ix-script-module)	📎 X2 Clock sync from PLC - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10391/x2-clock-script-module)
📎 OEE calculation example (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10007/oe-calculation-example)	📎 Quadratic terms calculator - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10723/quadratic-terms-calculator-ix-script-module)
📎 Vessel Quick View - iX sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10250/vessel-quick-view---ix-sample)	📎 Serial ReadWrite - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10085/serial-readwrite-module)