Beijer
ELECTRONICS

X2 marine 7 SC
7" HMI with iX runtime
800 × 480 pixel (16:9) TFT-LCD touch screen
1.5 GB application memory
Ethernet 2x100 Mbit
CODESYS control integrated
CE, FCC, KCC, UL approvals
DNV GL, KR, LR, ABS, CCS, BV, NK, RS marine approvals

Facts

General description

Part number	630008605
Life cycle status	Active
Warranty	2 year

Certifications

General	CE, FCC, KCC, UL 61010-2-201
Marine	KR, LR, ABS, CCS, NK, DNV GL, BV, RS
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 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)	14.4W
Input fuse	Internal DC fuse

System

CPU	i.MX6DualLite, Dual Cortex-A9 1.0GHz 512kBL2cache
RAM	1 GB
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

Softcontrol

Codesys runtime version	3.5
Codesys EtherCAT	Yes
Codesys Modbus Ethernet	Yes
Codesys Modbus RTU	Yes
CANopen	Yes
Non volatile variables	32 KB

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	2
Ethernet port 1	1x10/100 Base-T (shielded RJ45)
Ethernet port 2	1x10/100 Base-T (shielded RJ45)

Communication CAN

Number of CAN ports	1
CAN port 1	0.5 MBit

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

⚙ Smart Engineering Resources