Beijer
E L E C T R O N I C S

X2 extreme 7 HP web
7" Rugged web client HMI

800 × 480 pixel (16:9) TFT-LCD touch screen
High brightness TFT display
8GB EMMC
Ethernet 2x100 Mbit
-30°C to +70°C operating temperature
DNV GL, KR, LR, ABS, CCS, BV, NK marine approvals
CE, FCC, KCC, UL Class I Div 2, ATEX/IECEx Zone 2,22

Facts

General description

Part number	640020705
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

Mechanical

Mechanical size	204 x 143 x 62mm
Mounting option	Panel Mount
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 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

Display

Size diagonal	7" diagonal
Resolution	800x480 pixels
Backlight	LED Backlight
Backlight life time	100000 hours
Backlight brightness	1000 cd/m2
Backlight dimming	Dimming in system menu
Display type	TFT-LCD with LED backlight

Serial communication

Number of serial ports	2 Port 9pin DSUB
Serial port 1	Not in use
Serial port 2	Not in use
Serial port 3	Not in use

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)

Expansion interface

SD card	SD and SDHC
USB	2xUSB 2.0 500mA

System

Hardware platform	X2 extreme
CPU	i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache
RAM	2 GB
FLASH	8GB EMMC

Software

Operating system	Linux
Web browser	Chromium in Kiosk mode

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