



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 | Up to 2 years |

Certifications

| | |
|-----------|---|
| General | CE, FCC, KCC, UL 61010-2-201, UL 746C |
| Hazardous | UL C1D2, 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 |

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 |

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 |

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 |

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