



X2 pro 12

12" HMI with iX runtime

1280 × 800 pixel (16:10)

TFT-LCD touch screen

1.5 GB application memory

Ethernet 2x100 Mbit

-10°C to +60°C operating temperature

CE, FCC, KCC, UL approvals

DNV GL, KR, LR, ABS, CCS, BV, NK, RS marine approvals

Facts

General description

| | |
|-------------------|-----------|
| Part number | 640000205 |
| Life cycle status | Active |
| Warranty | 2 year |

Certifications

| | |
|---------|--|
| General | CE, FCC, KCC |
| Marine | KR, LR, ABS, BV, CCS, NK, DNV GL, 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 | 340 x 242 x 57mm |
| Mounting option | Panel Mount, VESA 75 x 75 |
| Number of touches | 1million finger touch operations |
| Touch type | Resistive |
| Cut-out size | 324 x 226mm |
| Weight | 2.6 kg |
| Housing material | Powder-coated aluminum, Gray |

Power

| | |
|-------------------------|---|
| Input voltage | 24 V DC (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 II power supplies. |
| Power consumption (max) | 28.8W |
| Input fuse | Internal DC fuse |

Serial communication

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|------------------------|--------------------------------|
| 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 | 2xUSB 2.0 500mA |

System

| | |
|-------------------|--|
| Hardware platform | X2 |
| CPU | i.MX6DualLite, Dual Cortex-A9 1.0GHz 512kBL2cache |
| RAM | 1 GB |
| FLASH | 2GB SSD(eMMC), 1.5GB free for application |

Display

| | |
|----------------------|----------------------------|
| Size diagonal | 12.1" diagonal |
| Resolution | 1280x800 pixels |
| Backlight | LED Backlight |
| Backlight life time | 50000 hours |
| Backlight brightness | 400 cd/m2 |
| Backlight dimming | Industrial Dimming |
| Display type | TFT-LCD with LED backlight |

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 |
| Altitude (max) | < 3000m |