



X2 pro 21

21" HMI with iX runtime

Full 1920 × 1080 pixel HD resolution (16:9)

TFT-LCD touch screen

1.5 GB application memory

Ethernet 2x100 Mbit

0°C to +50°C operating temperature

CE, FCC, KCC, UL approvals

Facts

General description

Part number	640009505
Life cycle status	Active
Warranty	2 year

Certifications

General	CE, FCC, KCC
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	556 x 347 x 65mm
Mounting option	Panel Mount, VESA 75 x 75
Number of touches	1 million finger touch operations
Touch type	Resistive
Cut-out size	539 x 331mm
Weight	7.38 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)	45.6W
Input fuse	Internal DC fuse

Digital IO

Digital output	2xDO Solid state relay, 0.5A@24VDC
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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	2
CAN port 1	0.5 MBit
CAN port 2	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.MX6Quad, Quad ARMCortex-A9 1.0GHz 1M BL2cache
RAM	2 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

Display

Size diagonal	21.5" diagonal
Resolution	1920x1080 pixels
Backlight	LED Backlight
Backlight life time	50000 hours
Backlight brightness	250 cd/m2
Backlight dimming	Industrial Dimming
Display type	TFT-LCD with LED backlight

Environmental

Operating temperature	0°C to +50°C
Storage temperature	-20°C to +60°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