



X3 extreme ultra 12 web P HB CT

12" web client with rugged high brightness capacitive touch screen

Verified through testing for -40°C to +80°C and 7.7 G vibration, exceeding the specified temperature and vibration range of the product.

Aligned with MIL-STD-810H requirements

Cybersecurity design based on IEC 62443-4-2

12,1" 1280 × 800 pixel (16:10) TFT-LCD with capacitive touch screen

High performant rugged HMI with Chromium based HTML5 engine

Industrial, marine and hazardous certifications

Facts

General description

Part number	640004315
Life cycle status	Not Released
Warranty	Up to 2 years

Certifications

General	CE, FCC, KCC
Hazardous	UL C1D2, ATEX (Zone2)
Marine	DNV, ABS, LR, BV, NK, CCS, KR
Safety	UL 61010-2-201

Mechanical

Mechanical size	341 x 242 x 70 mm
Mounting option	Panel Mount / VESA 75 x75
Touch type	Capacitive
Weight	2,7 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)	typ- 30W / max. 35W
Input fuse	Internal DC fuse, 4 AT

System

Hardware platform	P
CPU	i.MX 8M Plus Quad Cortex®-A53 1,6GHz
RAM	4 GB
FLASH	32 GB eMMC
Cybersecurity	Cybersecurity design based on IEC 62443-4-8

Display

Size diagonal	12,1" diagonal
Resolution	1280x800 pixels
Backlight	LED Backlight
Backlight life time	50000 hours
Backlight brightness	1000 cd/m2
Backlight dimming	Marine Wide Dimming
Display type	TFT-LCD with PCAP touch
Display pixel error	Class I, according to ISO 9241-307

Ethernet communication

Number of Ethernet ports	2
Ethernet port 1	1x10/100/1000 Base-T (shielded RJ45)
Ethernet port 2	1x10/100/1000 Base-T (shielded RJ45)

Expansion interface

SD card	1 x USB Host 3.0, 1 x USB Host 2.0
USB	1 x USB Host 3.0, 1 x USB Host 2.0

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 IACS E10
Sealing front	IP66
Humidity	5% – 95% non-condensed @25°C
Altitude (max)	< 3000m

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