



X2 pro web

Web client for industrial applications

X2 pro web HMIs are high performance industrial HMIs with built-in HTML5 web client, strong standard certifications as well as extended classes of marine certifications. X2 pro web are perfect HMIs for enterprises and users who want to utilize HTML5 web technologies in industrial environments. X2 web HMIs offer visualization with Chromium Kiosk mode operation of single browser window web pages from SCADA systems, PLCs or other devices with built-in web servers.

- HTML5 visualization
- Available in 7, 10 and 15 inches
- TFT-LCD touch screen
- -10°C to +60°C operating temperature
- CE, FCC, KCC, UL 61010-2-201 approvals
- KR, LR, ABS, BV, CCS, NK, DNV GL marine approvals
- Robust aluminum housing with IP65, NEMA 4X/12 and UL Type 4X/12 front

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	X2 pro 7 web	X2 pro 10 web	X2 pro 15 web
General description			
Part number	630023505	630023605	640020605
Warranty	2 years		
Certifications			
General	CE, FCC, KCC, UL 61010-2-201		
Hazardous	NA		
Marine	KR, LR, ABS, BV, CCS, NK, DNV GL		
Mechanical			
Mechanical size	204 x 143 x 50mm	292 x 194 x 52mm	410 x 286 x 61mm
Mounting option	Panel mount, VESA 75 x 75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	189 x 128mm	275 x 177mm	394 x 270mm
Weight	0.8 kg	1.65 kg	3.85 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 supplymust conform with the requirements for class II power supplies.		
Power consumption (max)	14.4W	21.6W	31.2W
Input fuse	Internal DC fuse		
System			
CPU	i.MX6DualLite, Dual Cortex-A9 1.0GHz 512kBL2cache	i.MX6Quad, Quad ARM Cortex-A9 1.0GHz 1MBL2cache	i.MX6Quad, Quad ARM Cortex-A9 1.0GHz 1MBL2cache
RAM	1GB	2GB	
FLASH	4GB EMMC		
Software			
Operating system	Linux		
Web browser	Chromium in Kiosk mode		
Display			
Size diagonal	7" diagonal	10.1" diagonal	15.4" diagonal
Resolution	800x480 pixels	1024x600 pixels	1280x800 pixels
Backlight	LED Backlight		
Backlight life time	20000 hours	50000 hours	
Backlight brightness	350 cd/m2	500 cd/m2	450 cd/m2
Backlight dimming	Industrial dimming		
Display type	TFT-LCD with LED backlight		
Communication serial			
Number of serial ports	1 Port 9pin DSUB		
Serial port 1	RS 232 (RTS/CTS)		
Serial port 2	Rs422Rs485		
Serial port 3	RS485 (only if COM 2 is RS485)		
Ethernet communication			
Number of Ethernet ports	1	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	1xUSB 2.0 500mA	2xUSB 2.0 500mA	
Environmental			
Operating temperature	-10°C to +60°		
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 Type 4X/ 12		
Sealing back	IP20		
Humidity	5% – 85% non-condensed		

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X2 extreme web

Rugged web client HMI for extreme environments

X2 extreme web HMIs are rugged high performance industrial HMIs with built-in HTML5 web client. Designed and certified to perform in extreme outdoor environments and in hazardous areas. X2 extreme web are perfect HMIs for enterprises and users who want to utilize HTML5 web technologies in industrial environments. X2 extreme web HMIs offer visualization with Chromium Kiosk mode operation of single browser window web pages from SCADA systems, PLCs or other devices with built-in web servers.

- HTML5 visualization
- Available in 7, 12 and 15 inches
- TFT-LCD high brightness touch screen
- -30°C to +70°C operating temperature
- CE, FCC, KCC, UL 61010-2-201, UL 746C approvals
- UL Class I Div 2, ATEX/IECEx Zone 2,22 approvals
- KR, LR, ABS, BV, CCS, NK, DNV GL marine approvals
- Robust aluminum housing with IP66, NEMA 4X/12 and UL Type 4X/12 front

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	X2 extreme 7 web	X2 extreme 12 web	X2 extreme 15 web
General description			
Part number	640020705	640020805	640020905
Warranty	2 years		
Certifications			
General	CE, FCC, KCC, UL 61010-2-201, UL 746C		
Hazardous	ULC1D2, ATEX (Zone2), ATEX (Zone22), IEXEx (Zone2), IEXEx (Zone22)		
Marine	KR, LR, ABS, CCS, BV, NK, DNV GL		
Mechanical			
Mechanical size	204 x 143 x 62mm	340 x 242 x 69mm	410 x 286 x 73mm
Mounting option	Panel mount		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	189 x 128mm	324 x 226mm	394 x 270mm
Weight	0.8 kg	2.8 kg	4.1 kg
Housing material	Powder-coated aluminum, Black		
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 supplymust conform with the requirements for class II power supplies.		
Power consumption (max)	17 W	23 W	28 W
Input fuse	Internal DC fuse		
System			
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	12.1" diagonal	15.4" diagonal
Resolution	800x480 pixels	1280x800 pixels	
Backlight	LED Backlight		
Backlight life time	100000 hours		
Backlight brightness	1000 cd/m2		
Backlight dimming	Marine optimized dimming		
Display type	TFT-LCD with LED backlight		
Communication serial			
Number of serial ports	2 Port 9pin DSUB		
Serial port 1	RS 232 (RTS/CTS)		
Serial port 2	RS422/485		
Serial port 3	RS485/CAN		
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			
Expansion port			
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		

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