

X2 series

Strong. Stylish. Smart.

The X2 series is the next generation of HMIs from Beijer Electronics. Six product families combine great design with strong performance to power your HMI solutions. Create smart integrated solutions boosted by iX HMI software and WARP Engineering Studio.



One family, one great design

X2 panels offer a slim, modern design. Consistent across the entire range, adding visual quality to your solution.



All the performance you need

Power-efficient ARM9 processors all the way up to the latest quad core ARM Cortex-A9 processors deliver fast program execution and screen change. It gives you all the performance you need.



Robust reliability

The robust die cast aluminum body offers great resistance to mechanical stress. We've redesigned the electronics and made other improvements to further enhance solid operation.



Prepared for any environment

X2 panels operate in wide temperature ranges. They offer strong ingress protection and in addition, they hold all the certificates you need to perform in the field.



Integrated CODESYS control

The X2 series offer integrated CODESYS IEC 61131-3 PLC functionality directly in the panel by multicore processors for fast, safe program execution.



A simple path forward

It's easy to upgrade your existing iX HMI solution to the X2 series.





A match for every requirement

The X2 series matches almost every requirement and lets you choose from a powerful range of more than 50 models and additional options.



Rugged HMIs for tough environments

Available in 7, 12 and 15 inches, all in 3 versions: Standard versions, high-performance versions and fully sealed high-performance versions. The high-performance and fully sealed high-performance versions both offer high brightness display and optional integrated CODESYS PLC functionality.

X2 extreme is scheduled for release in Q3 2017.

X2 control Integrated CODESYS control

Available in 4, 7, 10, 12 and 15 inches.



X2 base

Cost-effective, full functionality HMIs

Available in 5, 7 and 10 inches.

X2 marine

Built for life at sea

Available in 7 and 15 inches with optional high brightness display and integrated CODESYS PLC functionality.

X2 motion

X2 pro

High performance HMIs for all automation needs

Available in 4, 7, 10, 12, 15 and 21 inches.

Integrated CODESYS motion and control *Available in 4, 7, 10, 12 and 15 inches.*









X2 base

Cost-effective, full functionality HMIs

X2 base panels are cost-effective industrial HMIs with highresolution touch-screens and modern design. The X2 base panels combine IP65 corrosion resistant plastic housing with the full version of the iX software, providing a cost-effective yet advanced HMI solution for small to medium applications.

X2 base panels are available in 5, 7 and 10 inches.





See page 20 for technical data.

Features X2 base



Wide screen format

X2 panels offer wide screen format, designed to succeed the traditional 4:3 square aspect ratio.



UL, CE, FCC and KCC certificates

The entire X2 range offers a strong standard certification with UL, CE,

FCC and KCC certificates.



iX software – why you'll love our hardware

The iX software gives you smart

communication tools. iX combines top-class vector graphics and easyto-use functions that provide reliable operation, and almost limitless connectivity to your other equipment.



Fast forward engineering with WARP

Create integrated HMI, control, drives and data

communication solutions with WARP Engineering Studio. WARP automatically configures all hardware, software and communication in your application.



Custom design or non-branded

Profile your brand or go for neutral. X2 panels offer custom

designed or non-branded front foils, as alternatives to the standard Beijer Electronics branded versions.



Power efficient ARM9 processors

Power efficient ARM9 processor provides strong performance for

small and medium sized applications.



Corrosion resistant IP65 plastic housing

Corrosion resistant plastic housing with IP65 front.
Resistant to direct rain,

snow or wash-downs, dirt, grime and dust.



Operating temperature -10°C to +50°C

The -10°C to +50°C operating

temperature range satisfies the demands of most industries.



All the communication ports you need

X2 base offers 1 × Ethernet, 4 × serial,

1 × USB as standard, securing ample communication with other equipment.

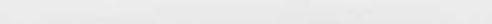
X2 pro

High performance HMIs for all automation needs

X2 pro includes a range of high performance industrial panels designed for demanding applications. All with the high performance of powerful ARM Cortex-A9 processors, the latest screen technology and a wide range of connectivity options to cover all your automation needs.

X2 pro panels are available in 4, 7, 10, 12, 15 and 21 inches.





See page 22-23 for technical data.

Features X2 pro



Wide screen format

X2 panels offer wide screen format, designed to succeed the traditional 4:3 square aspect ratio.



UL, CE, FCC and KCC certificates*

The entire X2 range offers a strong standard certification with UL, CE,

FCC and KCC certificates.



iX software – why you'll love our hardware

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communication tools. iX combines top-class vector graphics and easyto-use functions that provide reliable operation, and almost limitless connectivity to your other equipment.



Fast forward engineering with WARP

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communication solutions with WARP Engineering Studio. WARP automatically configures all hardware, software and communication in your application.



Custom design or non-branded

Profile your brand or go for neutral. X2 panels offer custom

designed or non-branded front foils, as alternatives to the standard Beijer Electronics branded versions.



Powerful ARM Cortex-A9 processor

Powerful single or dual core ARM Cortex-A9 processor delivers

fast screen changes and program execution in demanding applications.



Robust aluminum housing

Robust aluminum housing with IP65, NEMA 4X/12 and UL Type 4X/12

front. Resistant to direct rain, snow or wash-downs, dirt, grime and dust.



Wide operating temperature -10°C to +60°C*

The wide -10°C to +60°C operating

temperature range satisfies the demands of most industries.



Marine certifications*

The X2 panels meet extended classes of marine certifications not

normally carried by HMIs, making them suitable for all onboard locations.



CiX CAN, Profibus and MPI module

It's easy to interface with controllers using optional CiX

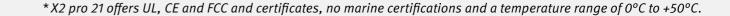
CAN, Profibus or MPI modules.



SD memory card

Card holder and USB connection are located behind the lid on the back of the panel for

smart memory expansion, project backup and application loading.



X2 marine

Built for life at sea

X2 marine offers user-friendly, reliable operation offshore, on ships and in other maritime applications. With black frame and nautical society certifications, X2 marine panels are suitable for mounting on the bridge, in the engine room and inside cabins. X2 marine panels are available with optional high brightness display and integrated CODESYS PLC functionality.

X2 marine panels are available in 7 and 15 inches with optional high brightness display and integrated CODESYS PLC functionality.





















See page 21 for technical data.

Features X2 marine



Wide screen format

X2 panels offer wide screen format, designed to succeed the traditional 4:3 square aspect ratio.



UL. CE. FCC and **KCC** certificates

The entire X2 range offers a strong standard certification with

UL, CE, FCC and KCC certificates.



iX software - why you'll love our hardware

The iX software gives you smart

communication tools. iX combines top-class vector graphics and easyto-use functions that provide reliable operation, and almost limitless connectivity to your other equipment.



Fast forward engineering with WARP

Create integrated HMI, control, drives and data

communication solutions with WARP Engineering Studio. WARP automatically configures all hardware, software and communication in your application.



Custom design or non-branded

Profile your brand or go for neutral. X2 panels offer custom

designed or non-branded front foils, as alternatives to the standard Beijer Electronics branded versions.



Powerful ARM Cortex-A9 processor

Powerful single, dual or quad core ARM Cortex-A9 processor

delivers fast screen changes and program execution in demanding applications.



Robust aluminum housing

Robust aluminum housing with IP65, NEMA 4X/12 and UL Type 4X/12

front. Resistant to direct rain, snow or wash-downs, dirt, grime and dust.



Wide operating temperature -10°C to +60°C

The wide -10° to +60°C operating

temperature range satisfies the demands of most industries.



Marine certifications

The X2 panels meet extended classes of marine certifications not normally carried by HMIs,

making them suitable for all onboard locations.



CiX CAN. Profibus and MPI module

It's easy to interface with controllers using optional CiX

CAN, Profibus or MPI modules.



SD memory card

Card holder and USB connection are located behind the lid on the back of the panel

for smart memory expansion, project backup and application loading.



Dimmable backlight

Comfortable and safe operation in high and low ambient light. Backlight is continuously

dimmable to less than one cd/m².



High brightness display

Optional 1,000 cd/m² backlight provides excellent readability in

high ambient light levels such as sunlight.



Add control by **CODESYS**

Choose optional IEC 61131-3 PLC functionality by CODESYS, running

on dedicated CPU cores for safe and fast program execution. Just add remote I/Os for a scalable, cost-effective solution.



Built-in digital outputs

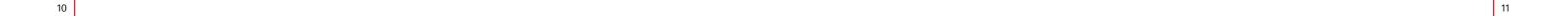
X2 marine panels with high brightness option have built-in

digital outputs for direct connection of alarms, signal lights, etc.



Internal isolation

Internal isolation conforms to marine standards for both burst and surge immunity.



X2 control

Integrated CODESYS control

X2 control panels combine industrial HMI and CODESYS PLC functionality in the same compact hardware. Panels range from ultra-compact 4-inch to 15-inch panels designed for demanding applications. Add standard distributed I/Os and you'll get an elegant, scalable and cost-effective solution that's cutting-edge.

X2 control panels are available in 4, 7, 10, 12 and 15 inches.

















See page 24-25 for technical data.

Features X2 control



Wide screen format

X2 panels offer wide screen format, designed to succeed the traditional 4:3 square aspect ratio.



UL. CE. FCC and **KCC** certificates

The entire X2 range offers a strong standard certification with

UL, CE, FCC and KCC certificates.



iX software - why vou'll love our hardware

The iX software gives you smart

communication tools. iX combines top-class vector graphics and easyto-use functions that provide reliable operation, and almost limitless connectivity to your other equipment.



Fast forward engineering with WARP

Create integrated HMI, control, drives and data

communication solutions with WARP Engineering Studio. WARP automatically configures all hardware, software and communication in your application.



Custom design or non-branded

Profile your brand or go for neutral. X2 panels offer custom

designed or non-branded front foils. as alternatives to the standard Beijer Electronics branded versions.



Powerful ARM Cortex-A9 processor

Powerful dual or quad core ARM Cortex-A9 processor delivers

fast screen changes and program execution in demanding applications.



Robust aluminum housing

Robust aluminum housing with IP65. NEMA 4X/12 and UL Type 4X/12 front.

Resistant to direct rain, snow or washdowns, dirt, grime and dust.



Wide operating temperature -10°C to +60° C

The wide -10°C to +60°C operating

temperature range satisfies the demands of most industries.



Marine certifications

The X2 panels meet extended classes of marine certifications not normally carried by

HMIs, making them suitable for all onboard locations.



CiX CAN, Profibus and MPI module

It's easy to interface with controllers using optional CiX

CAN, Profibus or MPI modules.



SD memory card

Card holder and USB connection are located behind the lid on the back of the panel

for smart memory expansion, project backup and application loading.



2 Ethernet ports as standard

Panels have two built-in Ethernet ports as standard for

communication with other equipment.



EtherCAT as standard

X2 panels support communication with super-fast EtherCAT as standard.



Control by CODESYS

Integrated IEC 61131-3 PLC functionality by CODESYS, running on dedicated CPU cores for safe and fast

program execution. Just add remote I/Os for a scalable, cost-effective solution.



Built-in digital outputs

10, 12 and 15 inch panels have built-in digital outputs for direct

connection of alarms, signal lights, etc.



Configuration freedom

Applications remain elegantly slim with integrated control in the

panel. Add remote I/Os to fit your needs, and select between three major fieldbuses - EtherCAT, Modbus RTU and Modbus TCP.



Less risk of error with one system

Two separate PLC and HMI systems mean twice the risk of error. X2 control

changes all that. Simply configure your system with WARP and you're done. It's never been easier to create applications.

X2 motion

Integrated CODESYS motion and control

X2 motion panels deliver intuitive HMI with integrated CODESYS motion and PLC functionality in the same compact hardware. Panels range from ultra-compact 4-inch to 15-inch panels designed for demanding applications. Our lean yet powerful hardware with super-fast EtherCAT communication provides the speed you want with the stability you need.

X2 motion panels are available in 4, 7, 10, 12 and 15 inches.



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See page 26-27 for technical data.

Features X2 motion



Wide screen format

X2 panels offer wide screen format, designed to succeed the traditional 4:3 square aspect ratio.



UL, CE, FCC and KCC certificates

The entire X2 range offers a strong standard certification with UL, CE,

FCC and KCC certificates.



iX software – why you'll love our hardware

The iX software gives you smart

communication tools. iX combines top-class vector graphics and easyto-use functions that provide reliable operation, and almost limitless connectivity to your other equipment.



Fast forward engineering with WARP

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communication solutions with WARP Engineering Studio. WARP automatically configures all hardware, software and communication in your application.



Custom design or non-branded

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designed or non-branded front foils, as alternatives to the standard Beijer Electronics branded versions.



Powerful ARM Cortex-A9 processor

Powerful dual or quad core ARM Cortex-A9 processor delivers

fast screen changes and program execution in demanding applications.



Robust aluminum housing

Robust aluminum housing with IP65, NEMA 4X/12 and UL Type 4X/12 front.

Resistant to direct rain, snow or washdowns, dirt, grime and dust.



Wide operating temperature -10°C to +60° C

The wide -10°C to +60°C operating

temperature range satisfies the demands of most industries.



Marine certifications

The X2 panels meet extended classes of marine certifications not normally carried by HMIs,

making them suitable for all onboard locations.



CiX CAN, Profibus and MPI module

It's easy to interface with controllers using optional CiX CAN, Profibus or MPI modules.



SD memory card

Card holder and USB connection are located behind the lid on the back of the panel for

smart memory expansion, project backup and application loading.



2 Ethernet ports as standard

Panels have two built-in Ethernet ports as standard for

 $communication\ with\ other\ equipment.$



EtherCAT as standard

X2 panels support communication with super-fast EtherCAT as standard.



Motion and control by CODESYS

Integrated CODESYS
motion and IEC 61131-3
PLC functionality running

on dedicated CPU cores for safe and fast program execution. Connect directly to a BSD servo drive and add I/Os for a scalable, cost-effective solution.



Built-in digital outputs

10, 12 and 15 inch panels have built-in digital outputs for direct

connection of alarms, signal lights, etc.



Configuration freedom

Applications remain elegantly slim with integrated control/

motion in the panel. Add BSD servo drives and remote I/Os to fit your needs, and take advantage of the super-fast EtherCAT communication.



Get a head start

You're off to a flying start with our readymade template project which sets up all the

basic settings for iX and CODESYS. Download the project, adapt it to your application and you're good to go.



Servo drives and motors fitting seamlessly

Our servo drives and motors give you

great functions such as auto detect of motor and encoder, online auto tuning, advanced filters, open high-speed EtherCAT network, safe torque-off, etc.

X2 extreme

Rugged HMIs for tough environments

X2 extreme panels are certified by all major classification societies. Designed to perform in rugged environments and in hazardous areas where gases, vapors and dust are present. Extended environmental capabilities include operating temperatures from -30°C to +70°C, high vibrations and highpressure wash-downs.

X2 extreme panels are available in 7, 12 and 15 inches, all in 3 versions: Standard versions, high-performance versions and fully sealed highperformance versions. The high-performance and fully sealed highperformance versions both offer high brightness display and optional integrated CODESYS PLC functionality.



















See page 28-31 for technical data.

Features X2 extreme



Wide screen format

X2 panels offer wide screen format, designed to succeed the traditional 4:3 square aspect ratio.



UL. CE. FCC and **KCC** certificates

The entire X2 range offers a strong standard certification with UL, CE,

FCC and KCC certificates.



iX software - why you'll love our hardware

The iX software gives you smart

communication tools. iX combines top-class vector graphics and easyto-use functions that provide reliable operation, and almost limitless connectivity to your other equipment.



Fast forward engineering with WARP

Create integrated HMI, control, drives and data

communication solutions with WARP Engineering Studio. WARP automatically configures all hardware, software and communication in your application.



Custom design or non-branded

Profile your brand or go for neutral. X2 panels offer custom

designed or non-branded front foils, as alternatives to the standard Beijer Electronics branded versions.



Powerful ARM Cortex-A9 processor

Powerful dual or quad core ARM Cortex-A9 processor delivers

fast screen changes and program execution in demanding applications.



Robust aluminum housing

Robust aluminum housing with IP66, NEMA 4X/12 and UL

Type 4X/12 front. Resistant to direct rain, snow or high-pressure washdowns, dirt, grime and dust.



Extreme operating temperature -30°C to +70°C

Extreme -30°C to +70° C operating temperature

range guarantees trouble-free use in the harshest environments.



Marine certifications

The X2 panels meet extended classes of marine certifications not normally carried

by HMIs, making them suitable for all onboard locations.



Integrated CAN bus

It's easy to interface with controllers using the integrated CAN bus.



SD memory card

Card holder and USB connection are located behind the lid on the back of the panel

for smart memory expansion, project backup and application loading.



Dimmable backlight

Comfortable and safe operation in high and low ambient light conditions. Backlight is continuously

dimmable to less than one cd/m².



High brightness display

The high-performance and fully sealed versions feature 1,000 cd/m²

backlight providing excellent readability in high ambient light levels such as sunlight.



Add control by CODESYS

The high-performance and sealed versions offer integrated CODESYS

IEC 61131-3 PLC functionality running on dedicated CPU cores for safe and fast program execution. Just add remote I/Os for a scalable, cost-effective solution.



Certified for hazardous environments

Certified for use in hazardous areas where

gases, vapors and dust are present.



Internal isolation

Internal isolation conforms to marine standards for both burst and surge immunity.



High vibration

Panels are tested to 4 g RMS sweep sine for vibration and 40 g 11 ms half sine for shock.



Extensive testing

We perform extensive testing to ensure our panels meet high environmental

standards and guarantee reliable operation in challenging environments.



Fully sealed

Fully sealed versions with M12 connectors hold IP66, NEMA 4X/12 and UL Type 4X/12

ingress protection rating for the entire product and conform to ATEX Zone 2 and ATEX Zone 22 certification.

X2 extreme is scheduled for release in Q3 2017.

iX software – why you'll love our hardware

The iX software gives you smart communication tools. It combines top-class vector graphics and easy-to-use functions that provide reliable operation, and almost limitless connectivity to your other equipment.



Fast forward engineering

Create integrated HMI, control, drives and data communication solutions with WARP Engineering Studio. WARP automatically configures all hardware, software and communication in your application. What used to take days to set up, can be up and running in a few minutes.



Efficient workflow

Speed up engineering in an intuitive development environment filled with shortcuts. Pre-styled objects, a customizable workspace, a component library and a smart property grid are some of the features that'll boost your workflow. Share your customized objects and advanced script modules with colleagues.

Complete HMI functionality

It's easy to get your application up and running. All essential functions you need are included such as data logging, recipes, alarms, trends and audit trail. Take advantage of ready-made objects with built-in functionality, vector-based symbols and graphics that can be easily inserted into the screen.

Functionality for advanced users

iX has support for .NET technology, providing options to design specialized functionality. Use C# scripting or .NET components. Take advantage of third party objects and import .NET assemblies to extend the functionality

further. Control and exchange data with multiple controllers and enjoy connectivity via SQL, FTP, OPC and web.

Connect to all automation brands

An extensive driver list enables communication with hundreds of unique PLCs and automation equipment from all major manufacturers. Share information easily between users and have safe control of complex systems, even over long distances. Transfer files and control panels remotely with FTP and VNC servers.



Features

- Seamless integration of Beijer Electronics products
- Structured and integrated workflow with drag & drop
- Auto-configuration of all hardware, software and communication settings
- · Simply draw lines to interconnect devices
- Avoid mistakes and work failsafe with auto-resolve
- Access all individual application program editors automatically
- Smart objects with embedded functionality such as PLC code or HMI screens
- Easy distribution, backup and recovery of projects
- · Shortcuts to important documentation
- Generate bill of material for simplified purchase

Save time with smart objects

A great feature of WARP Engineering Studio is the introduction of smart objects. A smart object includes ready-made, embedded functionality such as PLC code, HMI screens, etc. Drag a smart object into your workspace and just drop it on a device. All embedded code is then injected into the targeted devices. Smart and time-saving.

Industrial apps in Smart Store

The future of automation engineering is object-oriented, visual and user-community based. With the introduction of our Smart Store, you will find a growing multitude of industrial apps – smart objects, software and software updates that you can download and use immediately.





Download iX HMI software

Go to smartstore.beijerelectronics.com and try out the free demo version of iX.





Download WARP Engineering Studio

 $Go\ to\ smart store. beijer electronics. com\ and\ try\ out\ the\ full\ version\ of\ WARP\ Engineering\ Studio\ for\ free.$

Technical data – X2 base
Technical data - X2 marine







	X2 base 5	X2 base 7	X2 base 10	
General description				
Part number	630005105	630005205	630005305	
Certifications				
General	CE, FCC, KCC			
Marine		NA		
UL		UL 61010-2-201		
Mechanical				
Mechanical size	170 × 107 × 49 mm	196 × 146 × 52 mm	284 × 187 × 52 mm	
Touch type		Resistive		
Cut-out size	161 × 93 mm	186 × 136 mm	275 × 177 mm	
Weight	0.5 kg	0.7 kg	1.3 kg	
Housing material		Plastic (PC+ABS), Gray		
Power				
Input voltage		24 V DC (18 to 32 VDC)		
Power consumption, max	6W	9.6W	10.8W	
Input fuse		Internal DC fuse		
System				
CPU		ARM9 400 MHz		
RAM		128 MB		
FLASH	2	56 MB, 200 MB free for application storag	ge	
Display				
Size diagonal	5" diagonal	7" diagonal	10.1" diagonal	
Resolution	800 × 480 pixels			
Backlight	LED Backlight			
Backlight life time	20 000 hours			
Backlight brightness	300 cd/m ²	400 cd/m ²	350 cd/m²	
Backlight dimming		Industrial 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	RS 232			
Serial port 4	RS 485			
Ethernet communication				
Number of ethernet ports		1		
Ethernet port 1		1 × 10/100 Base-T (shielded RJ45)		
Ethernet port 2		NA		
Expansion interface				
Expansion port		No		
SD card	No			
USB	1×USB 2.0 500mA			
Environmental		10064 5006		
Operating temperature		-10°C to +50°C		
Storage temperature		-20° to +60°C	27	
Shock	15g	g, half-sine, 11ms according to IEC60068-2	-2/	
Vibration		1g, according to IEC 60068-2-6, Test Fc		
Sealing front		IP65		
Sealing back		IP20		
Humidity	5% – 85% non-condensed			





	X2 marine 7 (HB, SC, HB SC)	X2 marine 15 (HB, SC, HB SC)	
Compreh documents	The manner (ins.) Set, ins. Set		
General description	(12.2.2.2.2.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2	(ID (1) 10 10 10 10 10 10 10 10 10 10 10 10 10	
Part number	630002505 (HB: 630008705, SC: 630008605, HB SC: 630008805)	640003305 (HB: 640003505, SC: 640009005, HB SC: 640009405)	
Certifications*			
General	CE, FC	C, KCC	
Marine	BV, DNV, KR, GL, LR,	ABS, CCS, EN60945	
UL	UL 6101	10-2-201	
Mechanical			
Mechanical size	204 × 143 × 50mm	410 × 286 × 61mm	
Touch type	Resi	stive	
Cut-out size	189 × 128mm	394 × 270mm	
Weight	0.8 kg	3.85 kg	
Housing material	Powder-coated	aluminum, Black	
Power			
Input voltage	24 V DC (18	3 to 32 VDC	
Power consumption, max	14.4W (HB: 21.6W, SC: 14.4W, HB, SC: 21.6W)	31.2W (HB: 33.6W, SC: 31.2W, HB SC: 33.6W)	
Input fuse	Internal	DC fuse	
System			
CPU	i.MX6Solo Single Cortex-A9 1.0GHz 512kBL2cache (HB, HB SC: Quad ARMCortex-A9, SC: Dual Cortex-A9)	i.MX6Quad, Quad ARMCortex-A91.0GHz1MBL2cach	
RAM	512 MB (HB, HB SC: 2 GB, SC: 1 GB)	2 GB	
FLASH	2GB SSD(eMMC), 1.5GB fr	ee for application storage	
Display			
Size diagonal	7" diagonal	15.4" diagonal	
Resolution	800 × 480 pixels	1280 × 800 pixels	
Backlight	LED Backlight		
Backlight life time	50 000 hours	50 000 hours (HB, HB SC: 30 000 hours)	
Backlight brightness	500 cd/m² (HB, HB SC: 1000 cd/m²)	450 cd/m² (HB, HB SC: 1 000 cd/m²)	
Backlight dimming		ning, down to 0,5 cd/m ²	
Display type	-	LED backlight	
Softcontrol	200		
CODESYS runtime version	NA (HR· NA SC	: 3.5, HB SC: 3.5)	
CODESYS EtherCAT	NA (HB: NA, SC: Yes, HB SC: Yes)		
CODESYS Modbus Ethernet	NA (HB: NA, SC: Yes, HB SC: Yes)		
CODESYS Modbus RTU		Yes, HB SC: Yes)	
Non volatile variables	NA (HB: NA, SC: 32KB, HB SC: 64KB)	NA (HB: NA, SC: 64KB, HB SC: 64KB)	
Digital IO	111 (115. 111, 3 c. 3216), 115 3 c. 0416)	TIT (TIB. TIT, Se. O4RB, TIB Se. O4RB)	
Digital output	NA (HR. HR SC · 2×DO Solid	d state relay, 0.5A@24VDC)	
Communication serial	11/1 (115, 115 3 c. 2 2 5 0 1 0 1	2 State Tellay, 0.571@2472 C)	
Number of serial ports	1 Port 9r	oin DSUB	
Serial port 1		RTS/CTS)	
Serial port 2		2/485	
Serial port 3		COM 2 is RS485)	
Ethernet communication	K3403 (OIII) II C	2 13 K3403)	
Number of ethernet ports	1 (HB, SC, HB SC: 2)	2	
Ethernet port 1		Z T (shielded RJ45)	
Ethernet port 2	NA (HB/SC/HB SC: 1×10/100 Base-T - shielded RJ45)	1×10/100 Base-T (shielded RJ45)	
Expansion interface	MA (10/30/110 30. 1×10/100 base-1 - Silletueu R)45)	1 ^ 10/ 100 Dase-1 (Silletueu KJ45)	
•	Vac ciV aura	nsion modula	
Expansion port SD card	Yes, ciX expansion module		
USB	SD and SDHC		
	1× USB 2.0 500mA (HB/HB SC: 2×USB 2.0 500mA)	2 × USB 2.0 500mA	
Environmental Operating temperature	****		
Operating temperature		0 +60°C	
Storage temperature		0 +70°C	
Shock	-	ording to IEC60068-2-27	
Vibration	1g, according to IEC 60068-2-6, Test Fc		
	IP65, NEMA 4X/12 and UL Type 4X/12		
Sealing front		***	
Sealing front Sealing back Humidity	IP	20	
Vibration			

 $[\]hbox{*Certifications pending. Please refer to www.beijerelectronics.com/x2 for detailed status.}$





	X2 pro 4	X2 pro 7	
General description			
Part number	630000105	630000205	
Certifications*			
General	CE, FCC, KCC		
Marine	BV, DNV, KR, G	L, LR, ABS, CCS	
UL	UL 6101	0-2-201	
Mechanical			
Mechanical size	145 × 104 × 50 mm	204×143×50 mm	
Touch type	Resi	stive	
Cut-out size	130 × 89 mm	189 × 128mm	
Weight	0.5 kg	0.8 kg	
Housing material	Powder-coated	aluminum, Gray	
Power			
Input voltage	24 V DC (18	to 32 VDC)	
Power consumption, max	12W	14.4W	
Input fuse		DC fuse	
System			
CPU	i.MX6Solo Single Cortex-A9 1.0GHz 512kBL2cache		
RAM	512 MB		
FLASH	2GB SSD(eMMC), 1.5GB fr	ee for application storage	
Display		· · · · · · · · · · · · · · · · · · ·	
Size diagonal	4.3" diagonal	7" diagonal	
Resolution	480 × 272 pixels	800 × 480 pixels	
Backlight	LED Backlight		
Backlight life time	50 000 hours	20 000 hours	
Backlight brightness	300 cd/m²	350 cd/m²	
Backlight dimming	Industria	l Dimming	
Display type	TFT-LCD with	LED backlight	
Communication serial			
Number of serial ports	1 Port 9p	oin 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	1		
Ethernet port 1	1×10/100 Base-T (shielded RJ45)		
Ethernet port 2	NA		
Expansion interface			
Expansion port	Yes, ciX expa	nsion module	
SD card	SD and SDHC		
USB	1×USB 2.0 500mA		
Environmental			
Operating temperature	-10°C to	0+60°C	
Storage temperature	-20°C tı	o +70°C	
Shock	15g, half-sine, 11ms acco	ording to IEC60068-2-27	
Vibration	-	60068-2-6, Test Fc	
Sealing front	IP66, NEMA 4X/12 and UL Type 4X/12	IP65, NEMA 4X/12 and UL Type 4X/12	
Sealing back	IP	20	
Humidity	5% – 85% no	n-condensed	
		5 % - 65 % Holl-colldelised	







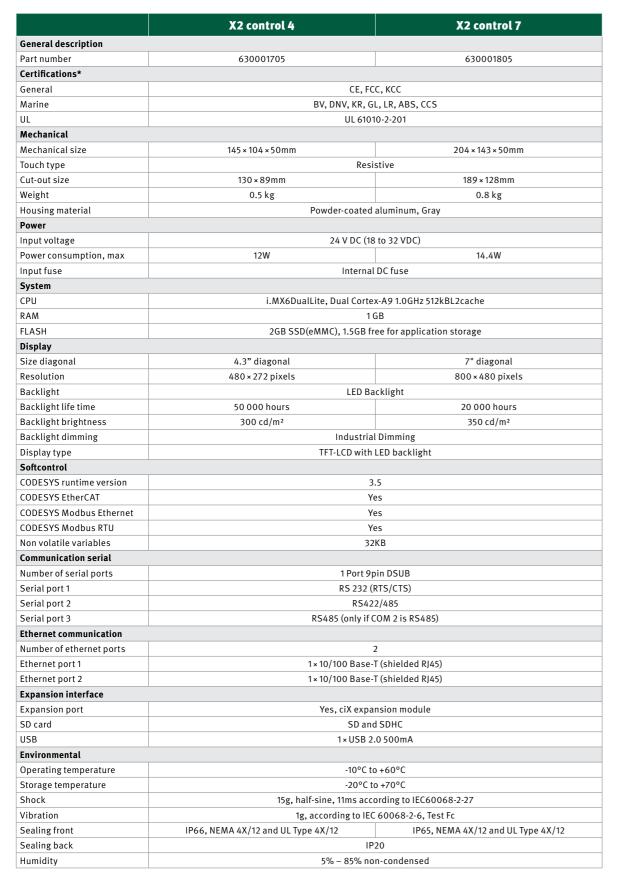


X2 pro 10	X2 pro 12	X2 pro 15	X2 pro 21
630000305	64000205	640000305	640009505
	CF FCC VCC		CF FCC
	CE, FCC, KCC BV, DNV, KR, GL, LR, ABS, CCS		CE, FCC NA
	UL 6101	0.2.201	NA NA
	GE 0101	0 2 201	
292×194×52mm	340 × 242 × 57 mm	410 × 286 × 61mm	556 × 347 × 65mm
	Resis	stive	
275 × 177mm	324 × 226mm	394×270mm	539 × 331mm
1.65 kg	2.6 kg	3.85 kg	7,38 kg
	Powder-coated	aluminum, Gray	
	24 V DC (18		
21.6W	28.8W	31.2W	45,6W
	Internal	DC fuse	
: MVCD	uallita Dual Cartor A01 0CHz 513kBl	2cacho	i MYCOund Ound ARMCortoy AD
1.111.60	ualLite, Dual Cortex-A9 1.0GHz 512kBL	zcacne	i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache
	1 GB		2 GB
	2GB SSD(eMMC), 1.5GB fro	ee for application storage	
40 411 dia manal	المراجع	45 All diamond	24 5 11 4 2 2 2 2 4
10.1" diagonal 1024×600 pixels	12.1" diagonal 1280 × 800 pixels	15.4" diagonal 1280 × 800 pixels	21,5" diagonal 1920×1080 pixels
1024 × 600 pixets	LED Ba	· · · · · · · · · · · · · · · · · · ·	1920×1000 pixets
	50 000		
500 cd/m²	400 cd/m²	450 cd/m²	250 cd/m²
500 05/	Industrial	· · · · · · · · · · · · · · · · · · ·	251 027
	TFT-LCD with I		
	1 Port 9p	in DSUB	
	RS 232 (F	rts/cts)	
	RS422		
	RS485 (only if C	OM 2 is RS485)	
	1×10/100 Base-1		
	1×10/100 Base-1		
	110/100 2030 1	(Sinctuca Ry43)	
	Yes, ciX expa	nsion module	
	SD and	SDHC	
	2 × USB 2.	0 500mA	
	-10°C to +60°C		0°C to +50°C
	-20°C to +70°C -20°C to +60°C		
	15g, half-sine, 11ms acco		
	1g, according to IEC		
	IP65, NEMA 4X/12		
	1P2 5% – 85% no		
	5% - 65% 1101	i-condensed	

 $[\]hbox{*Certifications pending. Please refer to www.beijerelectronics.com/x2 for detailed status.}$







^{*}Certifications pending. Please refer to www.beijerelectronics.com/x2 for detailed status.



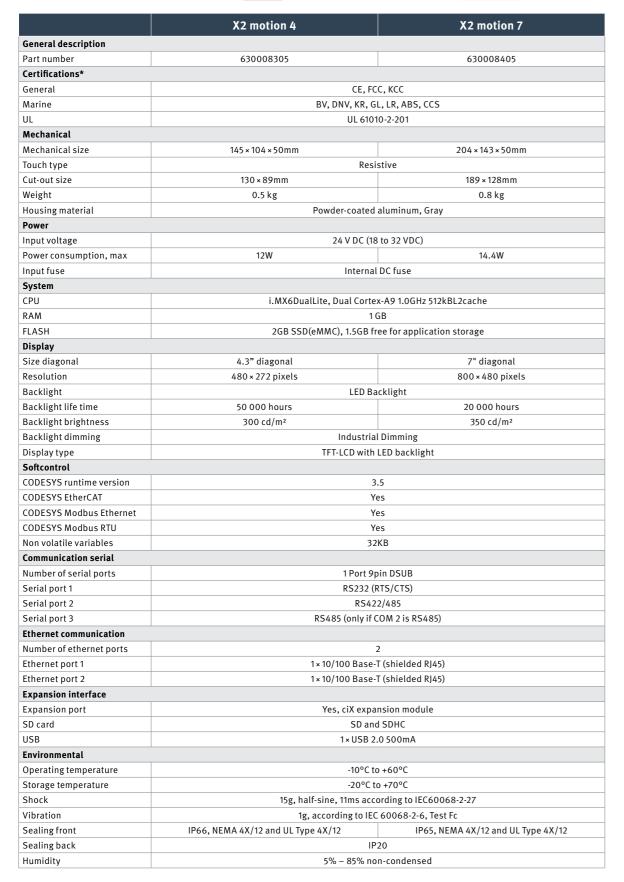




X2 control 10	X2 control 12	X2 control 15
630001905	640002205	640002405
	CE, FCC, KCC	
	BV, DNV, KR, GL, LR, ABS, CCS	
	UL 61010-2-201	
292×194×52 mm	340 × 242 × 57 mm	410 × 286 × 61 mm
	Resistive	
275 × 177 mm	324 × 226 mm	394 × 270mm
1.65 kg	2.6 kg	3.85 kg
	Powder-coated aluminum, Gray	
	24 V DC (18 to 32 VDC)	
21.6W	28.8W	31.2W
	Internal DC fuse	
	i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache	
	2 GB	
	2GB SSD(eMMC), 1.5GB free for application storage	
10.1" diagonal	12.1" diagonal	15.4" diagonal
10.1 diagonal 1024 × 600 pixels	1280 × 800 pixels	1280 × 800 pixels
1024 × 000 pixet3	LED Backlight	1200 × 000 pixets
	50 000 hours	
500 cd/m²	400 cd/m ²	450 cd/m ²
	Industrial Dimming	1
	TFT-LCD with LED backlight	
	3.5	
	Yes	
	Yes	
	Yes	
	64KB	
	1 Port 9pin DSUB	
	RS232 (RTS/CTS)	
	RS422/485	
	RS485 (only if COM 2 is RS485)	
	2	
	1×10/100 Base-T (shielded RJ45) 1×10/100 Base-T (shielded RJ45)	
	1× 10/ 100 Base-1 (Silletueu K)45)	
	Yes, ciX expansion module	
	SD and SDHC	
	2×USB 2.0 500mA	
	-10°C to +60°C	
	-20°C to +70°C	
	15g, half-sine, 11ms according to IEC60068-2-27	
	1g, according to IEC 60068-2-6, Test Fc	
	IP65, NEMA 4X/12 and UL Type 4X/12 IP20	







^{*}Certifications pending. Please refer to www.beijerelectronics.com/x2 for detailed status.

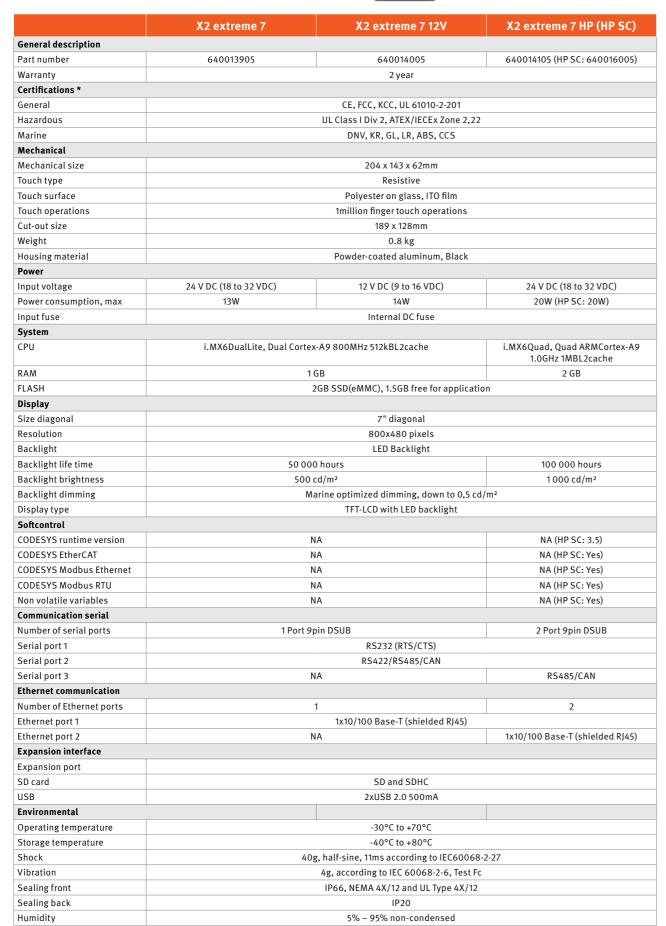






X2 motion 10	X2 motion 12	X2 motion 15
630008905	640002305	640002505
	CE, FCC, KCC	
	BV, DNV, KR, GL, LR, ABS, CCS	
	UL 61010-2-201	
292×194×52mm	340 × 242 × 57mm	410 × 286 × 61mm
	Resistive	
275 × 177mm	324 × 226mm	394×270mm
1.65 kg	2.6 kg	3.85 kg
	Powder-coated aluminum, Gray	
	24 V DC (18 to 32 VDC)	
21.6W	28.8W	31.2W
	Internal DC fuse	
	i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache	
	2 GB	
	2GB SSD(eMMC), 1.5GB free for application storage	
10.1" diagonal	12.1" diagonal	15 A" diagonal
10.1" diagonal 1024×600 pixels	12.1" diagonal 1280×800 pixels	15.4" diagonal 1280 × 800 pixels
1024 × 000 pixets	LED Backlight	1200 2000 pixets
	50 000 hours	
500 cd/m²	400 cd/m²	450 cd/m²
500 55 ₇	Industrial Dimming	13 2 2 2 7
	TFT-LCD with LED backlight	
	<u> </u>	
	3.5	
	Yes	
	Yes	
	Yes	
	64KB	
	1 Port 9pin DSUB	
	RS 232 (RTS/CTS)	
	RS422/485	
	RS485 (only if COM 2 is RS485)	
	2	
	1x10/100 Base-T (shielded RJ45)	
	1x10/100 Base-T (shielded RJ45)	
	Yes, ciX expansion module	
	SD and SDHC	
	2xUSB 2.0 500mA	
	-10°C to +60°C	
	-20°C to +70°C	
	15g, half-sine, 11ms according to IEC60068-2-27	
	1g, according to IEC 60068-2-6, Test Fc	
	IP65, NEMA 4X/12 and UL Type 4X/12 IP20	
	5% – 85% non-condensed	
	570 0570 Holl collaction	









	-		=40
X2 extreme 12	X2 extreme 12 HP (HP SC)	X2 extreme 15	X2 extreme 15 HP (HP SC)
640014305	640014405 (HP SC: 640016405)	640014605	640014705 (HP SC: 640016805)
	ear		ear
		2 y	eai
CE, FCC, KCC,	UL 61010-2-201	CE, FCC, KCC, I	JL 61010-2-201
	EX/IECEx Zone 2,22	UL Class I Div 2, ATI	
	LR, ABS, CCS		LR, ABS, CCS
340 × 24.	2 × 69mm	410 × 286	5 × 73mm
Resi	stive	Resi	stive
Polyester on :	glass, ITO film	Polyester on §	glass, ITO film
1million finger t	ouch operations	1million finger to	ouch operations
324 × 1	226mm	394 × 2	270mm
2.8	3 kg		kg
Powder-coated	aluminum, Black	Powder-coated a	aluminum, Black
	3 to 32 VDC)	24 V DC (18	·
19W	27W (HP SC: 27W)	21W	32W (HP SC: 32W)
Internal	DC fuse	Internal	DC tuse
i.MX6DualLite, Dual Cortex-A9 800MHz 512kBL2cache	i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache	i.MX6DualLite, Dual Cortex-A9 800MHz 512kBL2cache	i.MX6Quad, Quad ARMCortex-A9 1.0GH 1MBL2cache
1 GB	2 GB	1 GB	2 GB (HP SC: 2 GB)
2GB SSD(eMMC), 1.50	GB free for application	2GB SSD(eMMC), 1.5G	B free for application
12.1" d	iagonal	15.4" di	agonal
1280×80	00 pixels	1280×80	00 pixels
LED Ba	ncklight	LED Backlight	
100 00	0 hours	50 000	hours
500 cd/m ²	1000 cd/m ²	450 cd/m²	1 000 cd/m²
Marine optimized dimn	ning, down to 0,5 cd/m²	Marine optimized dimn	ning, down to 0,5 cd/m²
TFT-LCD with	LED backlight	TFT-LCD with	LED backlight
			(
NA NA	NA (HP SC: 3.5)	NA NA	NA (HP SC: 3.5)
NA NA	NA (HP SC: Yes)	NA NA	NA (HP SC: Yes)
NA NA	NA (HP SC: Yes)	NA NA	NA (HP SC: Yes)
NA NA	NA (HP SC: Yes) NA (HP SC: Yes)	NA NA	NA (HP SC: Yes) NA (HP SC: Yes)
NA	NA (NP SC: Tes)	NA NA	NA (NP SC: Tes)
1 Port 9pin DSUB	2 Port 9pin DSUB	1 Port 9pin DSUB	2 Port 9pin DSUB
· · · · · · · · · · · · · · · · · · ·	RTS/CTS)	RS232 (R	·
	5485/CAN		5485/CAN
NA	RS485/CAN	NA	RS485/CAN
1	2	1	2
1×10/100 Base-	Γ (shielded RJ45)	1×10/100 Base-1	(shielded RJ45)
NA	1×10/100 Base-T (shielded RJ45)	NA	1×10/100 Base-T (shielded RJ45)
	d SDHC		SDHC
2×USB 2	.0 500mA	2×USB 2.	U 5UUMA
2-22	2.7000	2222	. 7000
	0 +70°C	-30°C to	
	0 +80°C		0 +80°C
	ording to IEC60068-2-27 C 60068-2-6, Test Fc	40g, half-sine, 11ms acc	
			60068-2-6, Test Fc
	and UL Type 4X/12 20		and UL Type 4X/12 20
	n-condensed	5% – 95% no	
5% - 95% IIU	ni conuciiscu	5 % - 95 % HU	ii conuciiscu

*Certifications pending. Please refer to www.beijerelectronics.com/x2 for detailed status.

Technical data - X2 extremeFully sealed high-performance versions (SL HP) and fully sealed high-performance versions with integrated CODESYS PLC functionality (SL HP SC)



	X2 extreme 7 SL HP	X2 extreme 7 SL HP SC
General description		
Part number	640014205	640016205
Warranty	2 y	rear
Certifications *		
General	CE, FCC, KCC,	UL 61010-2-201
Hazardous		EX/IECEx Zone 2,22
Marine		LR, ABS, CCS
Mechanical		
Mechanical size	205 × 16	0 × 65mm
Touch type	Resi	stive
Touch surface		glass, ITO film
Touch operations	<u> </u>	ouch operations
Weight		5 kg
Housing material		aluminum, Black
Power		
nput voltage	24 V DC (18	3 to 32 VDC)
Power consumption, max) W
Input fuse		I DC fuse
System	THEFTIG	· · · · · · · · · · · · · · · · · · ·
CPU	i_MX6Ouad_Ouad ARMCor	tex-A9 1.0GHz 1MBL2cache
RAM		GB
FLASH		GB free for application
Display	200 330 (cmmc), 1.30	
Size diagonal	7" dia	agonal
Resolution		30 pixels
Backlight		•
Backlight life time	LED Backlight 100 000 hours	
Backlight brightness	1000 cd/m²	
Backlight dimming	Marine optimized dimming, down to 0,5 cd/m ²	
Display type	·	LED backlight
Softcontrol	II I-ECD WILL	LLD Dacklight
CODESYS runtime version	NA	3.5
CODESYS EtherCAT	NA NA	Yes
CODESYS Modbus Ethernet	NA NA	Yes
CODESYS Modbus RTU	NA NA	Yes
Non volatile variables	NA NA	Yes
Communication serial	NA .	res
Number of serial ports	2 Port 9	Pain M12
		Rpin M12
Serial port 1		2 (RTS)
Serial port 2		S485/CAN
Serial port 3	R548	5/CAN
Ethernet communication	2/_	inM12
Number of Ethernet ports	-	inM12
Ethernet port 1	· · · · · · · · · · · · · · · · · · ·	ase-T (M12)
Ethernet port 2	1×10/100 Base-T (M12)	
Expansion interface		
Expansion port		t cours
SD card		d SDHC
USB	2xUSB 2	.0 500mA
Environmental		7000
Operating temperature		0 +70°C
Storage temperature		0 +80°C
Shock		ording to IEC60068-2-27
Vibration		C 60068-2-6, Test Fc
Sealing front		and UL Type 4X/12
Sealing back	IP66, NEMA 4X/12	and UL Type 4X/12
Humidity	5% – 95% no	n-condensed

 $^{{\}bf *Certifications\ pending.\ Please\ refer\ to\ www.beijerelectronics.com/x2\ for\ detailed\ status.}$





X2 extreme 12 SL HP	X2 extreme 12 SL HP SC	X2 extreme 15 SL HP	X2 extreme 15 SL HP SC
640014505	640016605	640014805	640017005
	rear	2 ye	
-,			
CF. FCC. KCC.	UL 61010-2-201	CE, FCC, KCC, U	II 61010-2-201
	EX/IECEx Zone 2,22	UL Class I Div 2, ATE	
	LR, ABS, CCS	DNV, KR, GL, I	
5,, 52,		5117, 111, 62,	, 7.55, 005
341 × 24	3 × 65mm	410 × 286	× 65mm
	stive	Resis	
	glass, ITO film	Polyester on g	
	ouch operations	1million finger to	
	4 kg	4.8	
	aluminum, Black	Powder-coated a	-
1 owder coated		1 owder couled a	tummum, Black
24 V DC (19	B to 32 VDC)	24 V DC (18	to 32 VDC)
	7 W	32	
	DC fuse	Internal	
interna	. 00.1036	mernat	DC 1436
i MY4Ouad Ouad ABMCa-	toy-A 0 1 OGH z 1MPL 2cacho	i MYCOuad Ouad ADMCart	ev-A010GHz1MPI2cacha
	rtex-A9 1.0GHz 1MBL2cache GB	i.MX6Quad, Quad ARMCort	
2GB 55D(eMMC), 1.50	GB free for application	2GB SSD(eMMC), 1.5G	ь пеетогаррисацоп
42.41.4	lana a l	45 (II di	
	iagonal	15.4" diagonal	
	00 pixels	1280×800 pixels	
	acklight	LED Backlight	
	0 hours	50 000 hours 1000 cd/m²	
1000 cd/m²			·
Marine optimized dimming, down to 0,5 cd/m²		Marine optimized dimm	
TFT-LCD with	LED backlight	TFT-LCD with L	.ED backlight
NA	3.5	NA	3.5
NA	Yes	NA	Yes
NA	Yes	NA	Yes
NA	Yes	NA	Yes
NA	Yes	NA	Yes
2 Port 8	3pin M12	2 Port 8	oin M12
RS232	2 (RTS)	RS232 (RTS)	
RS422/R	S485/CAN	RS422/RS	485/CAN
RS48	5/CAN	RS485	/CAN
2×4p	inM12	2x4pii	nM12
1×10/100 B	ase-T (M12)	1×10/100 Ba	ase-T (M12)
1×10/100 B	ase-T (M12)	1×10/100 Ba	ase-T (M12)
SD and	d SDHC	SD and	SDHC
2xUSB 2	.0 500mA	2xUSB 2.0	0 500mA
-30°C t	o +70°C	-30°C to	+70°C
	0 +80°C	-40°C to	
	ording to IEC60068-2-27	40g, half-sine, 11ms acco	
	C 60068-2-6, Test Fc	4g, according to IEC	
	and UL Type 4X/12	IP66, NEMA 4X/12 a	
	and UL Type 4X/12	IP66, NEMA 4X/12 a	
		5% – 95% nor	
5 % - 95% IIU	5% – 95% non-condensed		ı conuciiseu

A simple path forward

It's easy to upgrade your existing iX HMI solution

Hardware upgrade to X2 series

Use the migration tables to find the right panel when you want to upgrade your existing iX HMI solution to the X2 panel series.

From iX HMI Industrial to X2 pro

iX HMI panel	X2 panel	Comment
iX T4A	X2 pro 4	-
iX T7A	X2 pro 7	-
iX T10A	X2 pro 10	Different cut-out size
iX T7B	X2 pro 7	-
iX T12B	X2 pro 12	-
iX T15B	X2 pro 15	-
-	X2 pro 21	-

From iX HMI Marine to X2 marine

iX HMI panel	X2 panel	Comment
iX T7AM	X2 marine 7	-
-	X2 marine 7 HB	-
-	X2 marine 7 SC	New 7-inch panel with integrated control
-	X2 marine 7 HB SC	New 7-inch panel with integrated control and high brightness display
iX T15BM	X2 marine 15	-
iX T15BM-HB	X2 marine 15 HB	-
-	X2 marine 15 SC	New 15-inch panel with integrated control
-	X2 marine 15 HB SC	New 15-inch panel with integrated control and high brightness display

From iX HMI SoftControl to X2 control

X2 panel	Comment
X2 control 4	-
X2 control 7	-
X2 control 10	Different cut-out size
X2 control 7	-
X2 control 12	-
X2 control 15	-
֡	X2 control 4 X2 control 7 X2 control 10 X2 control 7 X2 control 12

From iX HMI SoftMotion to X2 motion

iX HMI panel	X2 panel	Comment
-	X2 motion 4	New 4-inch panel with integrated motion and control
iX T7B-SM	X2 motion 7	-
-	X2 motion 10	New 10-inch panel with integrated motion and control
iX T12B-SM	X2 motion 12	-
iX T15B-SM	X2 motion 15	-
_	-	-

From iX HMI TxF-2 series to X2 base

iX HMI panel	X2 panel	Comment
iX T5F-2	X2 base 5	-
iX T7F-2	X2 base 7	-
iX T10F-2	X2 base 10	-

iX application upgrade



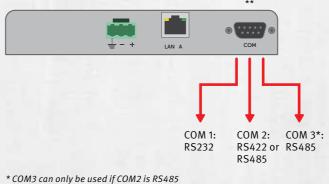
X2 panels are software compatible with iX 2.20 SP2 and forwards. Watch the video on www.beijerelectronics.com/X2 to see how easily you update an existing iX application to an X2 panel.

Continues on next page ...

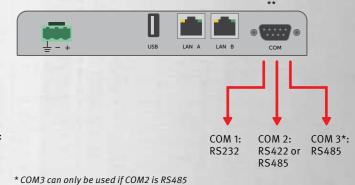
Serial port layout

TXA TXB COM 1: COM 2: COM 3: COM 4: COM 1: COM 2: RS232 RS422 or RS232 RS422 or RS485 RS485 COM 3: COM 4: RS232 RS422 or RS485 RS485

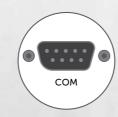
X2 pro 4 and X2 pro 7



X2 pro 10, X2 pro 12 and X2 pro 15



** CAB150 splitter cable provides the connectivity for the three serial ports.



If you use COM3 for RS232 in TxA or TxB:

• Change to COM 1

If you use 2 × RS485:

- Change COM4 to COM3
- COM 2 needs to be RS485

OPC DA communication

- OPC DA communication is not supported in X2 platform
- · Change to OPC UA instead



... continued from previous page.

Hardware upgrade to X2 series

Use the migration tables to find the right panel when you want to upgrade your existing iX HMI solution to the X2 panel series.

From QTERM-Ax to X2 extreme

QTERM panel	X2 panel	Comment
QTERM-A7 iX	X2 extreme 7	Different cut-out size
QTERM-A7 Qlarity	X2 extreme 7 Different cut-out s new HMI software	
QTERM-G72	X2 extreme 7	Different cut-out size, new HMI software
QTERM-A12 iX	X2 extreme 12	Different cut-out size, different aspect ratio
QTERM-A12 Qlarity	X2 extreme 12	Different cut-out size, different aspect ratio, new HMI software

From iX TxBR to X2 extreme

iX TxBR panel	X2 panel	Comment
IX T7BR	X2 extreme 7	-
IX T7BR HB HP	X2 extreme 7 HP	-
-	X2 extreme 7 SL HP	New 7-inch rugged fully sealed high- performance panel
-	X2 extreme 7 HP SC	New 7-inch rugged high-performance panel with integrated control
-	X2 extreme 7 SL HP SC	New 7-inch rugged fully sealed high- performance panel with integrated control
IX T15BR	X2 extreme 15	-
IX T15BR HB HP	X2 extreme 15 HP	-
-	X2 extreme 15 SL HP	New 15-inch rugged fully sealed high- performance panel
-	X2 extreme 15 HP SC	New 15-inch rugged high-performance panel with integrated control
-	X2 extreme 15 SL HP SC	New 15-inch rugged fully sealed high- performance panel with integrated control

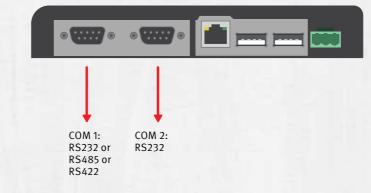
iX application upgrade



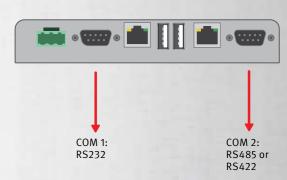
X2 panels are software compatible with iX 2.20 SP2 and forwards. Watch the video on www.beijerelectronics.com/X2 to see how easily you update an existing iX application to an X2 panel.

Serial port layout

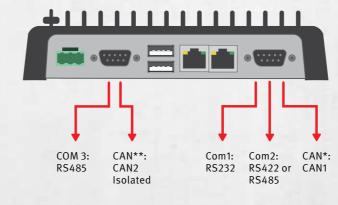
QTERM-Ax



TxBR

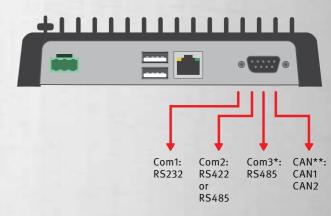


X2 extreme x HP, HC



*CAN1 can only be used if COM2 is not used
**CAN2 can only be used if COM3 is not used

X2 extreme x



*COM3 can only be used if COM2 is RS485

- **CAN1 can only be used if COM2 is not used
- **CAN2 can only be used if COM3 is not used

OPC DA communication

- OPC DA communication is not supported in X2 platform
- Change to OPC UA instead



About Beijer Electronics

Pune

Beijer Electronics is a fast growing technology company with extensive experience of industrial automation and data communication. The company develops and markets competitive products and solutions that focus on the user. Since its start-up in 1981, Beijer Electronics has evolved into a multinational group with sales over 1.1 billion SEK 2016. The company is listed on the NASDAQ OMX Nordic Stockholm Small Cap list under the ticker BELE. www.beijerelectronics.com

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DENMARK Roskilde	SOUTH KOREA Seoul	TURKEY Istanbul
FRANCE Paris	SWEDEN Göteborg Jönköping	UNITED KINGDOM Nottingham
GERMANY Nürtingen	Malmö Stockholm Timrå	USA Salt Lake City, UT
INDIA		

