

X3 - FUTURE OF HMI. NOW.



The X3 series

We are proud to announce the launch of the X3 series, our latest innovation in HMI technology, including iX based HMIs and web panels.

Available in sleek all-black panels from 7 to 21 inches, the X3 series is designed for general manufacturing, marine, and rugged environments, backed by extensive certifications.

The new OS3 operating system offers an intuitive interface for easy device management. With iX and WebIQ HMI software, users can effortlessly create user-friendly HMI applications, enhancing efficiency and usability.

WHY X3 IS YOUR BEST CHOICE



Open platform

X3 is an open HMI platform supporting web- and iX-based applications, Docker and Nuget packages for customized functionality, and connectivity to major PLC brands



Cybersecurity focus

We prioritize IEC 62443 compliance, strengthening X3's cybersecurity with advanced encryption and protective measures for a secure platform.



Easy transition

Simple project conversion, identical cut-out sizes and connectors as for X2, and an intuitive iX3 interface make moving to X3 from any HMI easy.



High quality

High quality stems from robust design, stringent quality control, industry certifications, and customer feedback, integrated across X3, iX3, and OS3.



Ease of use

The X3 series prioritizes simplicity, offering an intuitive, seamless experience from unboxing to final configuration and smooth daily operation, designed for every user.



ENGINEERED FOR INDUSTRY. CUSTOMIZABLE AND ROBUST.

The X3 pro HMIs offer a versatile and secure HMI platform designed for iX-based applications. With custom-tailored functionality using C# scripting, extended capabilities through NuGet packages, and a modern web browser, the X3 pro ensures robust performance.

Adhering to IEC 62443-4-2 standards, it offers encrypted communication and secure data transfer. With high-quality hardware, award-winning design, powerful CPUs, and large memory, the X3 pro HMIs guarantee maximum uptime. Additionally, X3 pro web panels are available to enhance your choice of technology.



HMI your way

X3 pro offers an open HMI platform for iX-based applications, custom-tailored functionality using C# scripting and extended capabilities with NuGet packages, modern web browser, etc. Additionally, web panels are available to enhance your experience.



Strengthen your security

The X3 pro HMIs adhere to IEC 62443-4-2 standards for secure operation with encrypted communication, controlled com ports, etc. The operating system OS3 features secure data transfer and user management.



Ensure maximum uptime

High quality hardware, reliable software, meticulous component selection, and thorough testing create robust industrial performance, ensuring production uptime for end users. HMIs are industry-certified, featuring powerful CPUs and large memory.



Upgrade with ease

Customers can effortlessly replace X2 panels with X3 thanks to the same panel size, cut-out, connector setup, and guided software transition.



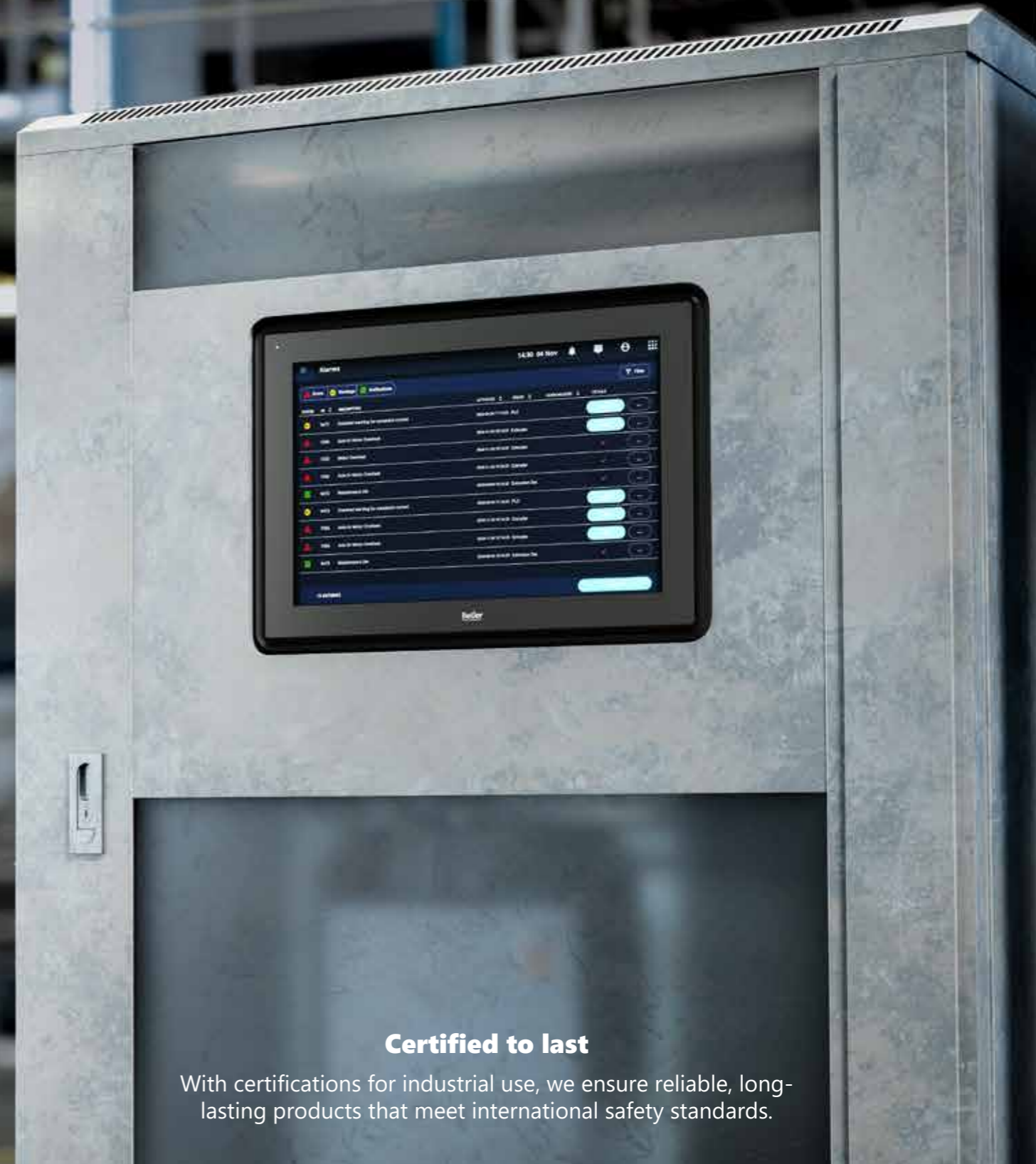
Choose your perfect fit

Select from 7, 10, 12, 15, and 21-inch screens, all within the same HMI series, to perfectly fit any application needs.



Experience simplicity

The X3 pro HMIs are designed for simplicity and ease of configuration. With the OS3 operating system, users benefit from an intuitive interface that enhances usability, simplifies device setup, and provides hardware diagnostics.



Certified to last

With certifications for industrial use, we ensure reliable, long-lasting products that meet international safety standards.





X3 marine

INDUSTRIAL DURABILITY. OPTIMIZED FOR MARINE ENVIRONMENTS.

The X3 marine HMIs offer a versatile and secure platform for iX-based applications, featuring custom-tailored functionality with C# scripting and extended capabilities through NuGet packages. Adhering to IEC 62443-4-2 standards and marine-certified, they ensure secure operation and reliable performance at sea.

With high-quality hardware, award-winning design, powerful CPUs, and large memory, the X3 marine HMIs guarantee maximum uptime. Additionally, X3 marine web panels are available to enhance your choice of technology.



Certified to last

With certifications for industrial use, we ensure reliable, long-lasting products that meet international safety standards.



HMI your way

X3 marine offers an open HMI platform for iX-based applications, custom-tailored functionality using C# scripting and extended capabilities with NuGet packages, modern web browser, etc. Additionally, web panels are available to enhance your experience.



Strengthen your security

The X3 marine HMIs adhere to IEC 62443-4-2 standards for secure operation with encrypted communication, controlled com ports, and more. The OS3 operating system features secure data transfer and user management. Additionally, DNV SP1 is natively included in iX, ensuring robust security measures. Marine certifications of the HMIs guarantee reliable operation at sea, providing peace of mind for maritime applications.



Ensure maximum uptime

High quality hardware, reliable software, meticulous component selection, and thorough testing create robust industrial performance, ensuring production uptime for end users. HMIs are marine-certified, featuring powerful CPUs and large memory.



Upgrade with ease

Customers can effortlessly replace X2 panels with X3 thanks to the same panel size, cut-out, connector setup, and guided software transition.



Choose your perfect fit

Select from 7, 10, 12, 15, and 21-inch screens, all within the same HMI series, to perfectly fit any application needs.



Experience simplicity

The X3 marine HMIs are designed for simplicity and ease of configuration. With the OS3 operating system, users benefit from an intuitive interface that enhances usability, simplifies device setup, and provides hardware diagnostics.



Ensure day and night reliability

Designed for continuous operation, the X3 marine HMIs feature marine dimming capabilities, making them suitable for both engine rooms and bridges. This ensures optimal visibility and reliable performance around the clock.

RUGGED RELIABILITY. PERFECT FOR HARSH ENVIRONMENTS.

The X3 extreme HMIs offer a robust and secure platform for iX-based applications, featuring custom-tailored functionality with C# scripting and extended capabilities through NuGet packages. Adhering to IEC 62443-4-2 standards and certified for hazardous areas, they ensure secure operation in rugged environments.

With high-quality hardware, powerful CPUs, and large memory, the X3 extreme HMIs guarantee maximum uptime. Effortlessly upgrade from X2 panels and choose from various screen sizes. Additionally, X3 extreme web panels are available to enhance your experience. Enjoy simplicity with the intuitive OS3 operating system and marine dimming capabilities for optimal visibility.



HMI your way

X3 extreme offers an open HMI platform for iX-based applications, custom-tailored functionality using C# scripting and extended capabilities with NuGet packages, modern web browser, etc. Additionally, web panels are available to enhance your experience.



Strengthen your security

The X3 extreme HMIs adhere to IEC 62443-4-2 standards for secure operation with encrypted communication, controlled com ports, and more. The OS3 operating system features secure data transfer and user management. Additionally, DNV SP1 is natively included in iX, ensuring robust security measures. Marine certifications and certifications for hazardous areas of the HMIs guarantee reliable operation in rugged environments, providing peace of mind.



Ensure maximum uptime

High quality hardware, reliable software, meticulous component selection, and thorough testing create robust industrial performance, ensuring production uptime for end users. HMIs are marine-certified, featuring powerful CPUs and large memory.



Upgrade with ease

Customers can effortlessly replace X2 panels with X3 thanks to the same panel size, cut-out, connector setup, and guided software transition.



Choose your perfect fit

Select from 7, 12, and 15-inch screens, all within the same HMI series, to perfectly fit any application needs.



Experience simplicity

The X3 extreme HMIs are designed for simplicity and ease of configuration. With the OS3 operating system, users benefit from an intuitive interface that enhances usability, simplifies device setup, and provides hardware diagnostics.



Certified to last

With certifications for rugged environments, we ensure reliable, long-lasting products that meet international safety standards.





X3 web

INDUSTRIAL RELIABILITY. WEBIQ'S PERFECT MATCH

The X3 web combines robust performance with cutting-edge HTML5 web technology, enabling seamless integration in industrial, marine, and rugged environments. Built for reliability, functionality, and cybersecurity, X3 web HMIs are certified for diverse applications and optimized for WebIQ, offering sharp visuals, intuitive operation, and flexible sizes. The X3 web HMIs are available in versions bundled with WebIQ software and as stand alone HMIs.

Whether for manufacturing, marine, or extreme conditions, X3 web delivers a premium user experience tailored to your needs.



HTML5 for industry

Enables HTML5 web technologies in industrial, marine, and rugged environments, featuring reliable, robust and powerful performance.



Comprehensive certifications

UL, CE, FCC, FCC certified, plus marine certifications for bridge, engine, and control room, and UL, ATEX, and IECEx for hazardous areas.



Outstanding quality

Market-leading product quality where each and every single HMI is rigorously tested to ensure reliability, functionality, and performance.



Strong platform

An intuitive, well-supported, and rigorously tested platform for WebIQ, ideal for both client and server applications.



Cybersecurity design

Designed and built with cybersecurity in mind, adhering to IEC 62443-4-2 standards for secure and reliable operations.



Supports Docker

The open X3 web platform supports Docker containers, ensuring secure and versatile application management.



Enhanced user experience

Hardware-accelerated graphics and higher color depth deliver sharp visuals, fast responsiveness and high-quality rendering, enhancing user experience.



One series, many sizes

Select from 7, 10, 12, 15, and 21-inch screens, all within the same HMI series, to perfectly fit any application needs.

STREAMLINED DEVELOPMENT. SECURE SCALABILITY.

The X3 series is supported by the upgraded iX3 software tool, featuring an updated user interface and new functions, including a comprehensive list of drivers and extended customization options through C# and NuGet support. Users can continue to run iX applications just as they did with the X2 series, ensuring a smooth transition.



Quick and simple HMI design

Streamline the HMI panel app creation with iX Developer 3, making project creation easy and efficient, reducing development time and improving overall project efficiency. A modern design environment with ready-to-use elements supports faster workflows and better user experience.



Reliable, complete HMI functionality

iX Developer 3 gives you everything you need to build professional HMI solutions. All essential features such as alarms, trends, recipes, and data logging, are fully integrated and easy to configure. This helps you create reliable and user-friendly HMI applications without needing extra software or complex setup.



Tailored solutions for your needs

Every project is different, and iX Developer 3 gives you the tools to meet your specific needs. Add advanced functionality with C# scripting and extend capabilities using NuGet packages. This flexibility allows you to tailor the HMI application for special workflows, system integration, or business requirements.



Easy upgrade from iX2 to iX3

Upgrading from iX2 to iX3 is straightforward. Your existing projects can be reused, saving you time and preserving your previous work. There's no need to rebuild from scratch. The updated user interface and added customization features make the transition smooth and efficient.




Enterprise-ready, robust scalability

iX3 and OS3 support enterprise operations, managing multiple HMI panels and secure data transfer. Use Active Directory (AD) for user management and enhance security with multi-factor authentication and single sign-on (SSO). Together, these features ensure secure access and make IT management more efficient.


OS3

Apps

 About


 User management

 Apps

 Date & Format

 Display

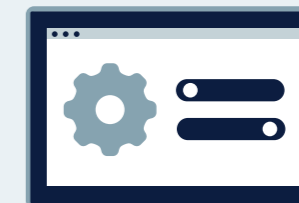
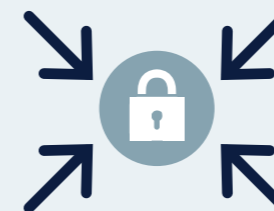
 Network

 System

OS3 operating system

DESIGNED FOR EFFICIENCY

The OS3 operating system of the X3 series HMIs delivers a smooth and intuitive experience for configuring and managing device settings. It provides a streamlined and enriched software experience, enhancing both flexibility and performance for every user.



Quick and simple HMI design

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Enterprise-ready, robust scalability

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CREATE DYNAMIC, RESPONSIVE USER-INTERFACES EFFORTLESSLY

Created from the ground up with open web technologies (OPC-UA, HTML5, CSS, JavaScript) WebIQ is proud to state that it is legacy-free and fully supports responsive layouts so that your HMI works smoothly on both the machine as well as a tablet or smartphone.



100% web based

Completely built on the open standards HTML5, CSS and JavaScript.



Low code

WebIQ Designer allows you to create your own HMI with a simple drag & drop interface.



Fully responsive

Whether it's the display directly on the machine or a mobile device like a tablet or a smartphone



Open platform

You're not dependent on us for any custom widgets and new HMI features you require.



Continuous improvement

With multiple releases per year new features are added and errors are fixed regularly.



Edge-based system

As an edge-based system WebIQ can also become a data hub for a cloud system.



	X3 pro 7	X3 pro 10
General description		
Part number	630000215	630000315
Warranty	2 year	
Certifications		
General	CE, FCC, KCC	
Safety	UL 61010-2-201	
Mechanical		
Mechanical size	204 x 143 x 63 mm	292 x 194 x 66 mm
Mounting option	Panel Mount / VESA 75 x75	
Number of touches	1million finger touch operations	
Touch type	Resistive	
Cut-out size	189 x 128 mm	275 x 177 mm
Weight	1.2 kg	1.9 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- 8W / max. 12W	typ- 12W / max. 18W
Input fuse	Internal DC fuse, 3.15 AT	Internal DC fuse, 4 AT
System		
Hardware platform	Standard	
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz	
RAM	4 GB	
FLASH	32 GB eMMC	
Display		
Size diagonal	7" diagonal	10.1" diagonal
Resolution	800x480 pixels	1024x600 pixels
Backlight	LED Backlight	
Backlight life time	50000 hours	
Backlight brightness	500 cd/m ²	
Backlight dimming	Industrial Dimming	
Display type	TFT-LCD with LED backlight	
Serial communication		
Number of serial ports	1 Port 9pin DSUB	
Serial port 1	RS 232 (RTS/CTS)	
Serial port 2	RS 422/485	RS 232/RS 422/RS 485
Serial port 3	RS 485/CAN	
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 SD card	
USB	1 x USB Host 3.0, 1 x USB Host 2.0	
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	
Humidity	5% – 85% non-condensed @25°C	
Altitude (max)	< 3000m	



	X3 pro 12	X3 pro 15	X3 pro 21 P
General description			
Part number	640000215	640000315	640009515
Warranty	2 year		
Certifications			
General	CE, FCC, KCC		
Safety	UL 61010-2-201		
Mechanical			
Mechanical size	340 x 242 x 70 mm	410 x 286 x 74 mm	556 x 347 x 78 mm
Mounting option	Panel Mount / VESA 75 x75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	324 x 226 mm	394 x 270 mm	539 x 331 mm
Weight	2.7 kg	3.7 kg	6.4 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- 13W / max. 20W	typ- 21W / max. 26W	typ- 24W / max. 28W
Input fuse	Internal DC fuse, 4 AT		
System			
Hardware platform	Standard		P
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz		
RAM	4 GB		
FLASH	32 GB eMMC		
Display			
Size diagonal	12.1" diagonal	15.4" diagonal	21.5" diagonal
Resolution	1280x800 pixels	1280x800 pixels	1920x1080 pixels
Backlight	LED Backlight		
Backlight life time	50000 hours		
Backlight brightness	400 cd/m ²	450 cd/m ²	300 cd/m ²
Backlight dimming	Industrial Dimming		
Display type	TFT-LCD with LED backlight		
Serial communication			
Number of serial ports	1 Port 9pin DSUB		
Serial port 1	RS 232 (RTS/CTS)		
Serial port 2	RS 232/RS 422/RS 485		
Serial port 3	RS 485/CAN		
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 SD card		
USB	1 x USB Host 3.0, 1 x USB Host 2.0		
Environmental			
Operating temperature	-10°C to 60°C		-10°C to 50°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		
Humidity	5% – 85% non-condensed @25°C		
Altitude (max)	< 3000m		

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X3 pro web - Versions bundled with WebIQ software



	X3 pro 7 web WebIQ	X3 pro 10 web WebIQ	X3 pro 15 web WebIQ
General description			
Part number	110-0001	110-0002	110-0003
Life cycle status	Active		
Warranty	2 year		
Certifications			
General	CE, FCC, KCC		
Safety	UL 61010-2-201		
Mechanical			
Mechanical size	204 x 143 x 63 mm	292 x 194 x 66 mm	410 x 286 x 74 mm
Mounting option	Panel Mount / VESA 75 x75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	189 x 128 mm	275 x 177 mm	394 x 270 mm
Weight	1.2 kg	1.9 kg	3.7 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- 8W / max. 12W	typ- 12W / max. 18W	typ- 21W / max. 26W
Input fuse	Internal DC fuse, 3,15 AT	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	Hardware cybersecurity design based on IEC 62443-4-2		
Display			
Size diagonal	7" diagonal	10.1" diagonal	15.4" diagonal
Resolution	800x480 pixels	1024x600 pixels	1280x800 pixels
Backlight	LED Backlight		
Backlight life time	50000 hours		
Backlight brightness	500 cd/m ²		450 cd/m ²
Backlight dimming	Industrial Dimming		
Display type	TFT-LCD with LED backlight		
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 SD card		
USB	1 x USB Host 3.0	1 x USB Host 3.0, 1 x USB Host 2.0	
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		
Humidity	5% – 85% non-condensed @25°C		
Altitude (max)	< 3000m		

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X3 pro web - Stand alone versions



	X3 pro 7 web	X3 pro 10 web	X3 pro 15 web
General description			
Part number	630023515	630023615	640020615
Warranty	2 year		
Certifications			
General	CE, FCC, KCC		
Safety	UL 61010-2-201		
Mechanical			
Mechanical size	204 x 143 x 63 mm	292 x 194 x 66 mm	410 x 286 x 74 mm
Mounting option	Panel Mount / VESA 75 x75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	189 x 128 mm	275 x 177 mm	394 x 270 mm
Weight	1.2 kg	1.9 kg	3.7 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- 8W / max. 12W	typ- 12W / max. 18W	typ- 21W / max. 26W
Input fuse	Internal DC fuse, 3,15 AT	Internal DC fuse, 4 AT	
System			
Hardware platform	Standard		
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz		
RAM	4 GB		
FLASH	32 GB eMMC		
Cybersecurity	Cybersecurity design based on IEC 62443-4-2		
Display			
Size diagonal	7" diagonal	10.1" diagonal	15.4" diagonal
Resolution	800x480 pixels	1024x600 pixels	1280x800 pixels
Backlight	LED Backlight		
Backlight life time	50000 hours		
Backlight brightness	500 cd/m ²		450 cd/m ²
Backlight dimming	Industrial Dimming		
Display type	TFT-LCD with LED backlight		
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 SD card		
USB	1 x USB Host 3.0	1 x USB Host 3.0, 1 x USB Host 2.0	
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		
Humidity	5% – 85% non-condensed @25°C		
Altitude (max)	< 3000m		

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	X3 extreme 7 plus	X3 extreme 7 plus HB
General description		
Part number	630025515	640014115
Warranty	2 year	
Certifications		
General	CE, FCC, KCC	
Hazardous	UL C1D2, ATEX (Zone2)	UL C1D2, ATEX (Zone2), ATEX (Zone22), IECEx (Zone2), IECEx (Zone22)
Marine	DNV, ABS, LR, BV, NK, CCS, KR	
Safety	UL 61010-2-201	
Mechanical		
Mechanical size	204 x 143 x 63 mm	
Mounting option	Panel Mount / VESA 75 x75	
Number of touches	1million finger touch operations	
Touch type	Resistive	
Cut-out size	189 x 128 mm	
Weight	1.2 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- 9W / max. 16W	typ- 10W / max. 18W
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	
Display		
Size diagonal	7" diagonal	
Resolution	800x480 pixels	
Backlight	LED Backlight	
Backlight life time	50000 hours	
Backlight brightness	500 cd/m ²	1000 cd/m ²
Backlight dimming	Marine Wide Dimming	
Display type	TFT-LCD with LED backlight	
Serial communication		
Number of serial ports	2 Port 9pin DSUB	
Serial port 1	RS 232 (RTS/CTS)	
Serial port 2	RS422/RS485/CAN	
Serial port 3	RS485/CAN	
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 SD card	
USB	1 x USB Host 3.0, 1 x USB Host 2.0	
Environmental		
Operating temperature	-30°C to 70°C	
Storage temperature	-30°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	
Humidity	5% – 95% non-condensed @25°C	
Altitude (max)	< 3000m	



X3 extreme 12 plus	X3 extreme 12 plus HB	X3 extreme 15 plus	X3 extreme 15 plus HB
640014315	640014415	640014615	640014715
2 year			
CE, FCC, KCC			
UL C1D2, ATEX (Zone2), ATEX (Zone22), IECEx (Zone2), IECEx (Zone22)			
DNV, ABS, LR, BV, NK, CCS, KR			
UL 61010-2-201			
340 x 242 x 70 mm		410 x 286 x 74 mm	
Panel Mount / VESA 75 x75			
1million finger touch operations			
Resistive			
324 x 226 mm		394 x 270 mm	
2.7 kg		3.7 kg	
Powder-coated aluminum, Black			
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.			
typ- 13W / max. 20W	typ. 20W / max. 27W	typ- 21W / max. 26W	typ- 30W / max. 35W
Internal DC fuse, 4 AT			
P			
i.MX 8M Plus Quad Cortex®-A53 1.6GHz			
4 GB			
32 GB eMMC			
12.1" diagonal		15.4" diagonal	
1280x800 pixels			
LED Backlight			
50000 hours			
400 cd/m ²	1000 cd/m ²	450 cd/m ²	1000 cd/m ²
Marine Wide Dimming			
TFT-LCD with LED backlight			
2 Port 9pin DSUB			
RS 232 (RTS/CTS)			
RS422/RS485/CAN			
RS485/CAN			
2			
1x10/100/1000 Base-T (shielded RJ45)			
1x10/100/1000 Base-T (shielded RJ45)			
1 x SD card			
1 x USB Host 3.0, 1 x USB Host 2.0			
-30°C to 70°C			
-30°C to 80°C			
40g, half-sine, 11ms according to IEC60068-2-27			
4g, according to IEC 60068-2-6, Test Fc			
IP66			
5% – 95% non-condensed @25°C			
< 3000m			

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X3 extreme web - Versions bundled with WebIQ software



	X3 extreme 7 web P HB WebIQ	X3 extreme 12 web P HB WebIQ	X3 extreme 15 web P HB WebIQ
General description			
Part number	110-0009	110-0010	110-0011
Warranty	2 year		
Certifications			
General	CE, FCC, KCC		
Hazardous	UL C1D2, ATEX (Zone2), ATEX (Zone22), IECEx (Zone2), IECEx (Zone22)		
Marine	DNV, ABS, LR, BV, NK, CCS, KR		
Safety	UL 61010-2-201		
Mechanical			
Mechanical size	205 x 143 x 63 mm	341 x 242 x 70 mm	411 x 286 x 74 mm
Mounting option	Panel Mount / VESA 75 x75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	190 x 128 mm	325 x 226 mm	395 x 270 mm
Weight	1.2 kg	2.7 kg	3.7 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- 10W / max. 18W	typ. 20W / max. 27W	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		
Display			
Size diagonal	7" diagonal	12.1" diagonal	15.4" diagonal
Resolution	800x480 pixels	1280x800 pixels	
Backlight	LED Backlight		
Backlight life time	50000 hours		
Backlight brightness	1000 cd/m ²		
Backlight dimming	Marine Wide Dimming		
Display type	TFT-LCD with LED backlight		
Ethernet communication			
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 SD card		
USB	1 x USB Host 3.0, 1 x USB Host 2.0		
Environmental			
Operating temperature	-30°C to 70°C		
Storage temperature	-30°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		
Humidity	5% – 95% non-condensed @25°C		
Altitude (max)	< 3000m		

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X3 extreme web - Stand alone versions



	X3 extreme 7 web P HB	X3 extreme 12 web P HB	X3 extreme 15 web P HB
General description			
Part number	640020715	640020815	640020915
Warranty	2 year		
Certifications			
General	CE, FCC, KCC		
Hazardous	UL C1D2, ATEX (Zone2), ATEX (Zone22), IECEx (Zone2), IECEx (Zone22)		
Marine	DNV, ABS, LR, BV, NK, CCS, KR		
Safety	UL 61010-2-201		
Mechanical			
Mechanical size	204 x 143 x 63 mm	340 x 242 x 70 mm	410 x 286 x 74 mm
Mounting option	Panel Mount / VESA 75 x75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	189 x 128 mm	324 x 226 mm	394 x 270 mm
Weight	1.2 kg	2.7 kg	3.7 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- 10W / max. 18W	typ. 20W / max. 27W	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		
Display			
Size diagonal	7" diagonal	12.1" diagonal	15.4" diagonal
Resolution	800x480 pixels	1280x800 pixels	
Backlight	LED Backlight		
Backlight life time	50000 hours		
Backlight brightness	1000 cd/m ²		
Backlight dimming	Marine Wide Dimming		
Display type	TFT-LCD with LED backlight		
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 SD card		
USB	1 x USB Host 3.0, 1 x USB Host 2.0		
Environmental			
Operating temperature	-30°C to 70°C		
Storage temperature	-30°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		
Humidity	5% – 95% non-condensed @25°C		
Altitude (max)	< 3000m		

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X3 marine with iX runtime



	X3 marine 7	X3 marine 10
General description		
Part number	630002515	630000615
Warranty	2 year	
Certifications		
General	CE, FCC, KCC	
Marine	DNV, ABS, LR, BV, NK, CCS, KR	
Safety	UL 61010-2-201	
Mechanical		
Mechanical size	204 x 143 x 63 mm	292 x 194 x 66 mm
Mounting option	Panel Mount / VESA 75 x75	
Number of touches	1million finger touch operations	
Touch type	Resistive	
Cut-out size	189 x 128 mm	275 x 177 mm
Weight	1.2 kg	1.9 kg
Housing material	Powder-coated aluminum, Black	
Power		
Input voltage	25 VDC (18 to 32 VDC) CE: The power supply must conformwith 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.	24 VDC (18 to 32 VDC) CE: The power supply must conformwith 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- 9W / max. 16W	typ- 12W / max. 18W
Input fuse	Internal DC fuse, 4 AT	
System		
Hardware platform	Standard	
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz	
RAM	4 GB	
FLASH	32 GB eMMC	
Display		
Size diagonal	7" diagonal	10.1" diagonal
Resolution	800x480 pixels	1024x600 pixels
Backlight	LED Backlight	
Backlight life time	50000 hours	
Backlight brightness	500 cd/m ²	
Backlight dimming	Marine Wide Dimming	
Display type	TFT-LCD with LED backlight	
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/CAN	
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 SD card	
USB	1 x USB Host 3.0, 1 x USB Host 2.0	
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	
Humidity	5% – 85% non-condensed @25°C	
Altitude (max)	< 3000m	



X3 marine 12	X3 marine 15 P	X3 marine 21 P
640000715	640003315	640002415
2 year		
Certifications		
CE, FCC, KCC		
DNV, ABS, LR, BV, NK, CCS, KR		
UL 61010-2-201		
Mechanical		
340 x 242 x 70 mm	410 x 286 x 74 mm	556 x 347 x 78 mm
Panel Mount / VESA 75 x75		
1million finger touch operations		
Resistive		
324 x 226 mm	394 x 270 mm	539 x 331 mm
2.7 kg	3.7 kg	6.4 kg
Powder-coated aluminum, Black		
Power		
24 VDC (18 to 32 VDC) CE: The power supply must conformwith 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.		
typ- 13W / max. 20W	typ- 21W / max. 26W	typ- 24W / max. 28W
Internal DC fuse, 4 AT		
System		
Standard	P	
i.MX 8M Plus Quad Cortex®-A53 1.6GHz		
4 GB		
32 GB eMMC		
Display		
12.1" diagonal	15.4" diagonal	21.5" diagonal
1280x800 pixels		
LED Backlight		
50000 hours		
400 cd/m ²	450 cd/m ²	300 cd/m ²
Marine Wide Dimming		
TFT-LCD with LED backlight		
Serial communication		
1 Port 9pin DSUB	2 Port 9pin DSUB	
RS 232 (RTS/CTS)		
RS422/485	RS422/RS485/CAN	RS422/RS485/CAN
RS485/CAN		
Ethernet communication		
2		
1x10/100/1000 Base-T (shielded RJ45)		
1x10/100/1000 Base-T (shielded RJ45)		
Expansion interface		
1 x SD card		
1 x USB Host 3.0, 1 x USB Host 2.0		
Environmental		
-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		
5% – 85% non-condensed @25°C		
< 3000m		

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X3 marine web bundled with WebIQ



	X3 marine 7 web WebIQ	X3 marine 10 web WebIQ
General description		
Part number	110-0004	110-0005
Warranty	2 year	
Certifications		
General	CE, FCC, KCC	
Marine	DNV, ABS, LR, BV, NK, CCS, KR	
Safety	UL 61010-2-201	
Mechanical		
Mechanical size	204 x 143 x 63 mm	292 x 194 x 66 mm
Mounting option	Panel Mount / VESA 75 x75	
Number of touches	1million finger touch operations	
Touch type	Resistive	
Cut-out size	189 x 128 mm	275 x 177 mm
Weight	1.2 kg	1.9 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- 9W / max. 16W	typ- 12W / max. 18W
Input fuse	Internal DC fuse, 4 AT	
System		
Hardware platform	Standard	
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz	
RAM	4 GB	
FLASH	32 GB eMMC	
Display		
Size diagonal	7" diagonal	10.1" diagonal
Resolution	800x480 pixels	1024x600 pixels
Backlight	LED Backlight	
Backlight life time	50000 hours	
Backlight brightness	500 cd/m ²	
Backlight dimming	Marine Wide Dimming	
Display type	TFT-LCD with LED backlight	
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 SD card	
USB	1 x USB Host 3.0, 1 x USB Host 2.0	
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	
Humidity	5% – 85% non-condensed @25°C	
Altitude (max)	< 3000m	



	X3 marine 12 web WebIQ	X3 marine 15 web P WebIQ	X3 marine 21 web P WebIQ
General description			
Part number	110-0006	110-0007	110-0008
Warranty	2 year		
Certifications			
General	CE, FCC, KCC		
Marine	DNV, ABS, LR, BV, NK, CCS, KR		
Safety	UL 61010-2-201		
Mechanical			
Mechanical size	340 x 242 x 70 mm	410 x 286 x 74 mm	556 x 347 x 78 mm
Mounting option	Panel Mount / VESA 75 x75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	324 x 226 mm	394 x 270 mm	539 x 331 mm
Weight	2.7 kg	3.7 kg	6.4 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- 13W / max. 20W	typ- 21W / max. 26W	typ- 24W / max. 28W
Input fuse	Internal DC fuse, 4 AT		
System			
Hardware platform	Standard	P	
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz		
RAM	4 GB		
FLASH	32 GB eMMC		
Display			
Size diagonal	12.1" diagonal	15.4" diagonal	21.5" diagonal
Resolution	1280x800 pixels		1920x1080 pixels
Backlight	LED Backlight		
Backlight life time	50000 hours		
Backlight brightness	400 cd/m ²	450 cd/m ²	300 cd/m ²
Backlight dimming	Marine Wide Dimming		
Display type	TFT-LCD with LED backlight		
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 SD card		
USB	1 x USB Host 3.0, 1 x USB Host 2.0		
Environmental			
Operating temperature	-10°C to 60°C		-10°C to 50°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		
Humidity	5% – 85% non-condensed @25°C		
Altitude (max)	< 3000m		

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X3 marine web - Stand alone versions



	X3 marine 7 web	X3 marine 10 web
General description		
Part number	630001215	630001715
Warranty	2 year	
Certifications		
General	CE, FCC, KCC	
Marine	DNV, ABS, LR, BV, NK, CCS, KR	
Safety	UL 61010-2-201	
Mechanical		
Mechanical size	204 x 143 x 63 mm	292 x 194 x 66 mm
Mounting option	Panel Mount / VESA 75 x75	
Number of touches	1million finger touch operations	
Touch type	Resistive	
Cut-out size	189 x 128 mm	275 x 177 mm
Weight	1.2 kg	1.9 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- 9W / max. 16W	typ- 12W / max. 18W
Input fuse	Internal DC fuse, 4 AT	
System		
Hardware platform	Standard	
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz	
RAM	4 GB	
FLASH	32 GB eMMC	
Display		
Size diagonal	7" diagonal	10.1" diagonal
Resolution	800x480 pixels	1024x600 pixels
Backlight	LED Backlight	
Backlight life time	50000 hours	
Backlight brightness	500 cd/m ²	
Backlight dimming	Marine Wide Dimming	
Display type	TFT-LCD with LED backlight	
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)	1x10/100/1000 Base-T (shielded RJ45)
Expansion interface		
SD card	1 x SD card	
USB	1 x USB Host 3.0, 1 x USB Host 2.0	
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	
Humidity	5% – 85% non-condensed @25°C	
Altitude (max)	< 3000m	



	X3 marine 12 web	X3 marine 15 web P	X3 marine 21 web P
General description			
Part number	640002815	640001815	640002915
Warranty	2 year		
Certifications			
General	CE, FCC, KCC		
Marine	DNV, ABS, LR, BV, NK, CCS, KR		
Safety	UL 61010-2-201		
Mechanical			
Mechanical size	340 x 242 x 70 mm	410 x 286 x 74 mm	556 x 347 x 78 mm
Mounting option	Panel Mount / VESA 75 x75		
Number of touches	1million finger touch operations		
Touch type	Resistive		
Cut-out size	324 x 226 mm	394 x 270 mm	539 x 331 mm
Weight	2.7 kg	3.7 kg	6.4 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- 13W / max. 20W	typ- 21W / max. 26W	typ- 24W / max. 28W
Input fuse	Internal DC fuse, 4 AT		
System			
Hardware platform	Standard	P	
CPU	i.MX 8M Plus Quad Cortex®-A53 1.6GHz		
RAM	4 GB		
FLASH	32 GB eMMC		
Display			
Size diagonal	12.1" diagonal	15.4" diagonal	21.5" diagonal
Resolution	1280x800 pixels		1920x1080 pixels
Backlight	LED Backlight		
Backlight life time	50000 hours		
Backlight brightness	400 cd/m ²	450 cd/m ²	300 cd/m ²
Backlight dimming	Marine Wide Dimming		
Display type	TFT-LCD with LED backlight		
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 SD card		
USB	1 x USB Host 3.0, 1 x USB Host 2.0		
Environmental			
Operating temperature	-10°C to 60°C		-10°C to 50°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		
Humidity	5% – 85% non-condensed @25°C		
Altitude (max)	< 3000m		

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Beijer Electronics helps machine builders and system integrators worldwide drive efficiency and sustainability by turning data into valuable insights. We offer innovative solutions for visualizing, automating, and digitalizing industrial applications across marine, manufacturing, and rugged environments.

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