

Technical data - X2 control



	X2 control 4	X2 control 7
<b>General description</b>		
Part number	630001705	630001805
<b>Certifications*</b>		
General	CE, FCC, KCC	
Marine	DNV, KR, GL, LR, ABS, CCS	
UL	UL 61010-2-201	
<b>Mechanical</b>		
Mechanical size	145 × 104 × 50mm	204 × 143 × 50mm
Touch type	Resistive	
Cut-out size	130 × 89mm	189 × 128mm
Weight	0.5 kg	0.8 kg
Housing material	Powder-coated aluminum, Gray	
<b>Power</b>		
Input voltage	Input voltage 24 V DC (18 to 32 VDC) CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supply must conform with the requirements for class II power supplies.	
Power consumption	12W	14.4W
Input fuse	Internal DC fuse	
<b>System</b>		
CPU	i.MX6DualLite, Dual Cortex-A9 1.0GHz 512kBL2cache	
RAM	1 GB	
FLASH	2GB SSD(eMMC), 1.5GB free for application storage	
<b>Display</b>		
Size diagonal	4.3" diagonal	7" diagonal
Resolution	480 × 282 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	Industrial Dimming	
Display type	TFT-LCD with LED backlight	
Display pixel error	Class I (ISO9241-307)	
<b>Softcontrol</b>		
Codesys runtime version	3.5	
Codesys EtherCAT	Yes	
Codesys Modbus Ethernet	Yes	
Codesys Modbus RTU	Yes	
<b>Communication serial</b>		
Number of serial ports	1 Port 9pin DSUB	
Serial port 1	RS 232 (RTS/CTS)	
Serial port 2	RS422/485	
Serial port 3	RS485 (only if COM 2 is RS485)	
<b>Ethernet communication</b>		
Number of ethernet ports	2	
Ethernet port 1	1 × 10/100 Base-T (shielded RJ45)	
Ethernet port 2	1 × 10/100 Base-T (shielded RJ45)	
<b>Expansion interface</b>		
Expansion port	Yes, ciX expansion module	
SD card	SD and SDHC	
USB	1 × USB 2.0 500mA	
<b>Environmental</b>		
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	IP66, NEMA 4X/12 and UL Type 4X/12	IP65, NEMA 4X/12 and UL Type 4X/12
Sealing back	IP20	
Humidity	5% – 85% non-condensed	

\*Certifications pending. Please refer to [www.beijerelectronics.com/x2](http://www.beijerelectronics.com/x2) for detailed status.



	X2 control 10	X2 control 12	X2 control 15
	630001905	640002205	640002405
<b>Certifications*</b>			
General	CE, FCC, KCC		
Marine	DNV, KR, GL, LR, ABS, CCS		
UL	UL 61010-2-201		
<b>Mechanical</b>			
Mechanical size	292 × 194 × 52 mm	340 × 242 × 57 mm	410 × 286 × 61mm
Touch type	Resistive		
Cut-out size	275 × 177 mm	324 × 226 mm	394 × 270mm
Weight	1.65 kg	2.6 kg	3.85 kg
Housing material	Powder-coated aluminum, Gray		
<b>Power</b>			
Input voltage	Input voltage 24 V DC (18 to 32 VDC) CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supply must conform with the requirements for class II power supplies.		
Power consumption	21.6W	28.8W	31.2W
Input fuse	Internal DC fuse		
<b>System</b>			
CPU	i.MX6Quad, Quad ARM Cortex-A9 1.0GHz 1MBL2cache		
RAM	2 GB		
FLASH	2GB SSD(eMMC), 1.5GB free for application storage		
<b>Display</b>			
Size diagonal	10.1" diagonal	12.1" diagonal	15.4" diagonal
Resolution	1024 × 600 pixels	1280 × 800 pixels	1280 × 800 pixels
Backlight	LED Backlight		
Backlight life time	50 000 hours		
Backlight brightness	500 cd/m²	400 cd/m²	450 cd/m²
Backlight dimming	Industrial Dimming		
Display type	TFT-LCD with LED backlight		
Display pixel error	Class I (ISO9241-307)		
<b>Softcontrol</b>			
Codesys runtime version	3.5		
Codesys EtherCAT	Yes		
Codesys Modbus Ethernet	Yes		
Codesys Modbus RTU	Yes		
<b>Communication serial</b>			
Number of serial ports	1 Port 9pin DSUB		
Serial port 1	RS232 (RTS/CTS)		
Serial port 2	RS422/485		
Serial port 3	RS485 (only if COM 2 is RS485)		
<b>Ethernet communication</b>			
Number of ethernet ports	2		
Ethernet port 1	1 × 10/100 Base-T (shielded RJ45)		
Ethernet port 2	1 × 10/100 Base-T (shielded RJ45)		
<b>Expansion interface</b>			
Expansion port	Yes, ciX expansion module		
SD card	SD and SDHC		
USB	2 × USB 2.0 500mA		
<b>Environmental</b>			
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, NEMA 4X/12 and UL Type 4X/12		
Sealing back	IP20		
Humidity	5% – 85% non-condensed		