Technical data - X2 pro

	X2 pro 4	X2 pro 7	X2 pro 10	X2 pro 12	X2 pro 15
General description					
Part number	630000105	630000205	630000305	640000205	640000305
Certifications*					
General	CE, FCC, KCC		CE, FCC, KCC		
Marine	DNV, KR, GL, LR, ABS, CCS		DNV, KR, GL, LR, ABS, CCS		
UL	UL 61010-2-201		UL 61010-2-201		
Mechanical					
Mechanical size	145 × 104 × 50 mm	204 × 143 × 50 mm	292 × 194 × 52mm	340 × 242 × 57 mm	410 × 286 × 61mm
Touch type	Resistive		Resistive		
Cut-out size	130 × 89 mm	189 × 128mm	275 × 177mm	324 × 226mm	394 × 270mm
Weight	0.5 kg	0.8 kg	1.65 kg	2.6 kg	3.85 kg
Housing material	Powder-coated aluminum, Gray		Powder-coated aluminum, Gray		
Power					
Input voltage	24 V DC (18 to 32 VDC) CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supply must conform with the requirements for class II power supplies.		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	21.6W	28.8W	31.2W
Input fuse	Internal DC fuse		Internal DC fuse		
System					
CPU	i.MX6Solo Single Cortex-A9 1.0GHz 512kBL2cache		i.MX6DualLite, Dual Cortex-A9 1.0GHz 512kBL2cache		
RAM	512 MB		1 GB		
FLASH	2GB SSD(eMMC), 1.5GB free for application storage		2GB SSD(eMMC), 1.5GB free for application storage		
Display					
Size diagonal	4.3" diagonal	7" diagonal	10.1" diagonal	12.1" diagonal	15.4" diagonal
Resolution	480 × 282 pixels	800 × 480 pixels	1024 × 600 pixels	1280 × 800 pixels	1280 × 800 pixels
Backlight	LED Backlight		LED Backlight		
Backlight life time	50 000 hours	20 000 hours	50 000 hours		
Backlight brightness	300 cd/m²	350 cd/m²	500 cd/m²	400 cd/m²	450 cd/m²
Backlight dimming	Industrial Dimming		Industrial Dimming		
Display type	TFT-LCD with LED backlight		TFT-LCD with LED backlight		
Display pixel error	Class I (ISO9241-307)		Class I (ISO9241-307)		
Communication serial					
Number of serial ports	1 Port 9pin DSUB		1 Port 9pin DSUB		
Serial port 1	RS 232 (RTS/CTS)		RS 232 (RTS/CTS)		
Serial port 2	RS422/485		RS422/485		
Serial port 3	RS485 (only if COM 2 is RS485)		RS485 (only if COM 2 is RS485)		
Ethernet communication					
Number of ethernet ports	1		2		
Ethernet port 1	1 × 10/100 Base-T (shielded RJ45)		1 × 10/100 Base-T (shielded RJ45)		
Ethernet port 2	NA		1 × 10/100 Base-T (shielded RJ45)		
Expansion interface					
Expansion port	Yes, ciX expansion module		Yes, ciX expansion module		
SD card	SD and SDHC		SD and SDHC		
USB	1 × USB 2.0 500mA		2 × USB 2.0 500mA		
Environmental					
Operating temperature	-10°C to +60°C		-10°C to +60°C		
Storage temperature	-20°C to +70°C		-20°C to +70°C		
Shock	15g, half-sine, 11ms according to IEC60068-2-27		15g, half-sine, 11ms according to IEC60068-2-27		
Vibration	1g, according to IEC 60068-2-6, Test Fc		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	IP65, NEMA 4X/12 and UL Type 4X/12		
Sealing back	IP20		IP20		
Humidity	5% – 85% non-condensed		5% – 85% non-condensed		

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