X10 Wired - Tech-Note

Mobile HMI 10” PCAP Touch, Emergency Stop, Keypad

- Ergonomic design with 10” display and multitouch capacitive touchscreen
- Illuminated Emergency Stop button
- 3-positions enabling switch
- User programmable buttons with tactile feedback
- Optimized for use with JMobile HMI software
- 3D Accelerometer
- Video camera (optional)

Highlights

X10 Wired is a safety-approved device with a compact and lightweight design. It is the ideal product where the fatigue of the operator is important to reduce so that human errors do not occur. The illuminated emergency stop button is a great device to guarantee safety.

Equipped with a brilliant 10” display, projected capacitive touchscreen and multitouch interface allows intuitive operability offering a great user experience. An ergonomic fully programmable keypad with mechanical feedback makes the use of the product even safer and more comfortable.
NFC device (optional), video camera (optional) and 3D accelerometer make X10 Wired a ground-breaking solution.

Sold & Serviced By:
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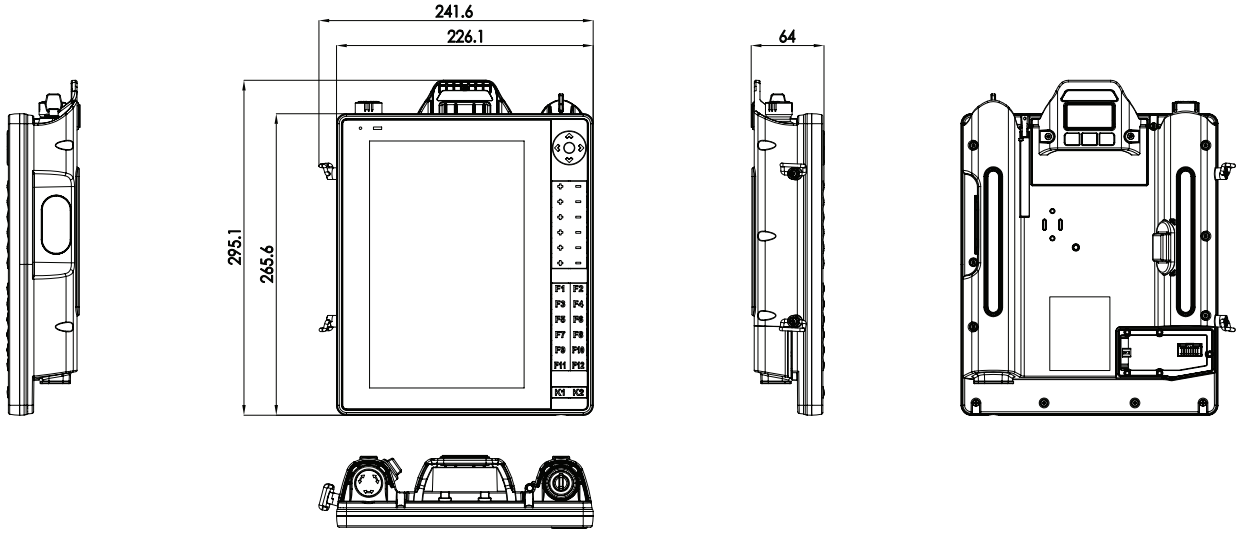
X10 Wired - Technical Data

System Resources	
Display - Colors	10" TFT - 16M
Resolution	800x1280
Brightness	400 Cd/m² typ.
Dimming	Yes
Touchscreen	Projected Capacitive - Multitouch
CPU	64-bit Quad Core - 1.6 GHz
Operating System	Linux RT
Flash	4 GB (eMMC pSLC)
RAM	2 GB
Real Time Clock, RTC Back-up	Yes - with rechargeable battery
Safety and controls	
Emergency Stop Button	Yes, illuminated
Enabling Button	1 (3 positions)
Selector Switch	1 Optional (8 positions)
Potentiometer	2 Optional
Key switch	Yes
Interface	
Ethernet port	1 (10/100 with dedicated cable)
Serial port	1 (RS-232, RS-485, RS-422, with dedicated cable)
USB port	1 (Host V2.0, max. 100 mA)
Sensors	Temperature, 3-Axis Accelerometer, Environment Light
Status LED	1 (RGB)
Buzzer	Yes
NFC	ISO/IEC 14443A Optional
Camera	Optional
Ratings	
Power Supply	24 Vdc (19.2 to 28.8 Vdc)
Power Consumption	0,45 A at 24Vdc (max: 0,55A at 19.2Vdc), Class 2
Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP65
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED) - NFC version Electromagnetic Compatibility Directive 2014/30/EU (EMC) - without NFC version
Safety functions	SIL (IEC 61508): Emergency Stop and Enabling Device allow a SIL 3 application, depending on the final use. Performance Level (EN ISO 13849-1): Emergency Stop and Enabling Device allow a PLe application, depending on the final use.
UL	cULus: UL61010-1/UL61010-2-201



Ordering Information

Model	Part Number	Description
X10 Wired - YEI000Y1CA1	10100540YE-0002	Mobile HMI 10" PCAP Touch, Emergency Stop, Keypad, JMobile runtime, net weight app. 1.5 Kg
Accessories	**Part Number**	**Description**
XCAYE0501	10500540YE-0003	X7/X10 Cable Free Wires 5m, net weight approx. 1,3 Kg
XCAYE1001	10500540YE-0004	X7/X10 Cable Free Wires 10m, net weight approx. 2,6 Kg
Xbase Wired - YE0001	10500590YE-0000	X7/X10 Connection Box, net weight approx. 0.38 Kg
XCWYE0501	10500540YE-0001	X7/X10 Conn. Circ. Cable 5 m, net weight approx. 1,5 Kg
XCWYE1001	10500540YE-0002	X7/X10 Conn. Circ. Cable 10 m, net weight approx. 2.8 Kg
Xdock - 01	10500540YE-0000	X7/X10 Wall Bracket, net weight approx. 0.060 Kg

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