

X10 Wireless - Tech-Note

Mobile HMI 10" PCAP Touch, Wi-Fi, Emergency Stop, Keypad

- Wireless Safety
- 10" TFT color display
- Multitouch capacitive touchscreen
- Illuminated Emergency Stop button
- NFC device (optional)
- Video camera (optional)
- 30 User programmable buttons
- Haptic feedback (vibration)
- 3D Accelerometer
- Wireless battery charge



Highlights

X10 Wireless 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.

Wireless operation reduces risks no longer having to have a long cable on the ground, typical of common control pendants. 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.

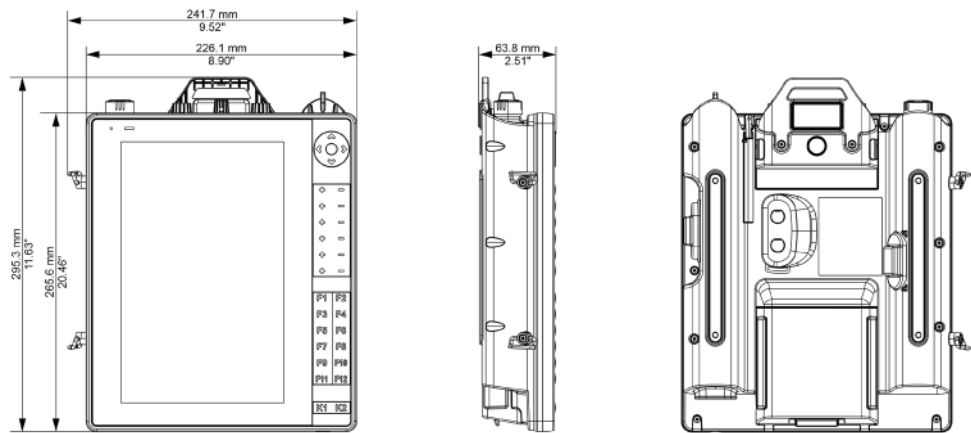
NFC device (optional), video camera (optional), wireless battery charging, 3D accelerometer, haptic feedback make X10 Wireless a ground-breaking solution.

X10 Wireless - 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 Switch	2, 3 positions switch
Selector Switch	1, 8 positions (Optional)
Potentiometer	2 (Optional)
Key Switch	Yes (two keys included)
Function keys	Membrane keyboard with 30 user-programmable keys
Interface	
Safety link wireless	Safety Black Channel Link
USB port	1 (Host V2.0, max. 500 mA)
SD port	Yes
Sensors	Temperature, 3-Axis Accelerometer, Environment Light
Status LED	1 (RGB)
Haptic feedback	Yes
Buzzer	Yes
NFC	ISO/IEC 14443A Optional
Camera	Optional
Ratings	
Power Supply	Quick-change battery (14.4V/3350 mAh)
Operating Autonomy	6h
Operating Temperature	0°C to +55°C
Storage Temperature (without battery adapter with battery)	-20°C to +70°C
Storage Temperature (with battery adapter with battery)	• Less than 1 year: 0°C to +25°C • Less than 3 months: 5°C to 35°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP65 (with battery adapter with battery) (not UL evaluated)
Dimensions and Weight	
Length	226.1 + 15.6 mm (8.90" + 0.61")
Width	265.6 + 29.7 mm (20.46" + 1.17")
Deep	63.8 mm (2.51")
Weight	1.880 Kg (with battery adapter with battery)
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED) - Machine Directive (2006/42/EC)
Safety functions	SIL (IEC 61508): Emergency Stop SIL 3, Enabling Device SIL 3 - Performance Level (EN ISO 13849-1): Emergency PLe; Enabling Device PLe
UL *	cULus: UL61010-1/UL61010-2-201

* Planned



Ordering Information

Model	Part Number	Description
X10 Wireless - YEI00Y2C11	10100580YE-0006	Mobile HMI 10" PCAP Touch, Wi-Fi, Emergency Stop, Keypad, JMobile runtime
X10 Wireless - YEISYY2C21	10100580YE-0007	Mobile HMI 10" Full, PCAP Touch, Wi-Fi, NFC, Emergency Stop, Keypad, JMobile runtime