

X7 Wireless - Tech-Note

Mobile HMI 7" PCAP Touch, Wi-Fi, Emergency Stop, Keypad

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



Highlights

X7 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 7" 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.

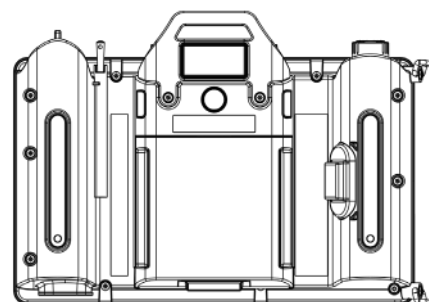
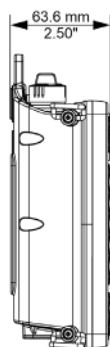
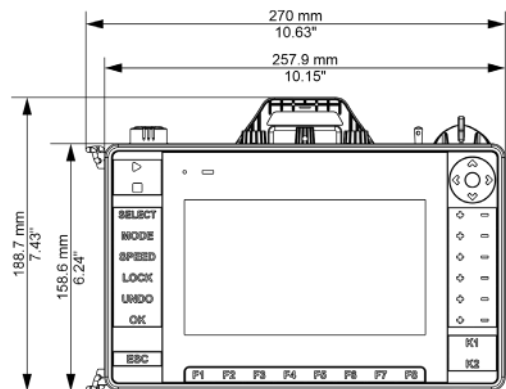
NFC device (optional), video camera (optional) , wireless battery charging, 3D accelerometer, haptic feedback make X7 Wireless a ground-breaking solution.

X7 Wireless - Technical Data



System Resources	
Display - Colors	7" TFT - 16M
Resolution	1024x600
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	1, 3 positions switch
Selector Switch	1, 8 positions (Optional)
Potentiometer	2 (Optional)
Key switch	Yes (two keys included)
Function keys	Membrane keyboard with 35 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	
Lenght	257.9 + 12.1 mm (10.15" + 0.48")
Width	158.6 + 30.1 mm (6.24" + 1.19")
Deep	63.6 mm (2.50")
Weight	1.470 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
X7 Wireless - YEI00Y1CQ1	10100580YE-0004	Mobile HMI 7" PCAP Touch, Wi-Fi, Emergency Stop, Keypad, JMobile runtime
X7 Wireless - YEISY1CT1	10100580YE-0005	Mobile HMI 7" Full, PCAP Touch, Wi-Fi, NFC, Emergency Stop, Keypad, JMobile runtime