

X7 Smart Wired - Tech-Note

Mobile HMI 7" PCAP Touch, Wired PoE, NFC, Emergency Stop, Keypad

- 7" TFT color display
- Multitouch capacitive touchscreen
- Illuminated Emergency Stop button
- Wired PoE connection
- NFC device (optional)
- Video camera (optional)
- 35 User programmable buttons
- 3D Accelerometer



Highlights

X7 Smart 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 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.

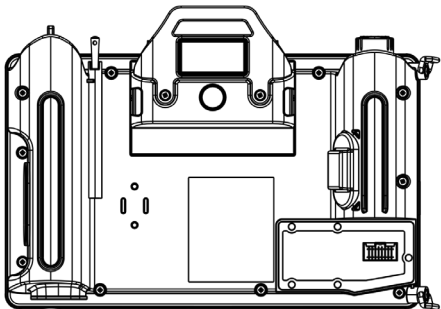
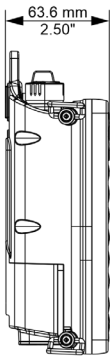
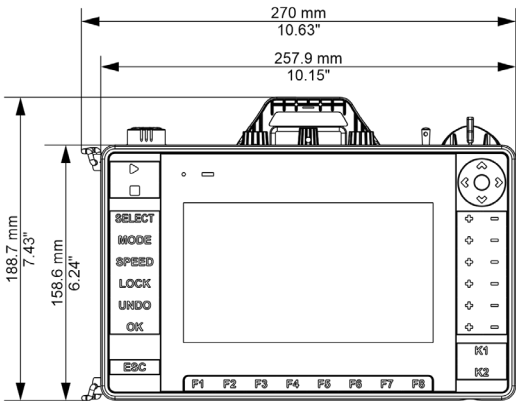
NFC device (optional), video camera (optional) and 3D accelerometer make X7 Smart Wired a ground-breaking solution.

X7 Smart Wired - 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
Enable 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 Wired Ethernet	10/100 Mbit PoE
USB port	1 (Host V2.0, max. 500 mA)
SD port	Yes
Sensors	Temperature, 3-Axis Accelerometer, Environment Light
Status LED	1 (RGB)
Buzzer	Yes
NFC	ISO/IEC 14443A Optional
Camera	Optional
Ratings	
Power Supply	PoE supplied by Xbase Smart Wired
Current Consumption	1.17A Max., Class 2
Operating Temperature	0°C to +60°C
Storage Temperature	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP65 (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	1.100 Kg
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 Smart - YEI00Y1CA1	10100580YE-0000	Mobile HMI 7" PCAP Touch, Wired PoE, Emergency Stop, Keypad JMobile runtime
X7 Smart - YEISYY1CT1	10100580YE-0002	Mobile HMI 7" Full, PCAP Touch, Wired PoE, NFC, Emergency Stop, Keypad JMobile runtime