

# X Series

## TECH DATA



MOBILE HMI



INDUSTRIAL  
HMI



### X5 Wired

System Resources	
Display - Colors	5" TFT LED - 64K colors
Resolution	480x272
Brightness	300 Cd/m <sup>2</sup> typ.
Dimming	Yes
Touchscreen	Resistive
CPU	32-bit RISC Single Core 528 MHz
Operating System	Linux 4.14
Flash	4 GB
RAM	512 MB
FRAM	32 KB
Real Time Clock, RTC Back-up	Yes, rechargeable Lithium battery (not user-replaceable)
Handwheel	Yes
Potentiometer	2 (Optional)
Selector Rotary Switch	16 positions (Optional)
Emergency Stop Button	Yes, illuminated
Enabling Button	3 positions
Status Indicators	1 bi-color LED
Keys	19 user-programmable
Sensors	3-axis Accelerometer
Buzzer	Yes
Interface	
Ethernet	1 (port 0 - 10/100)
USB	2 Host V2.0, 250mA max
Ratings	
Power supply	24 Vdc (18 to 30 Vdc)
Current	0.25 A typ. at 24 Vdc (0.4 A max.), Class 2
Consumption	Automatic
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temperature	+5 to +45°C
Storage Temperature	-20 to +70°C
Temperature Operating / Storage	5-85% RH, non condensing
Humidity	5-85% RH, non condensing
Protection Class	IP64
Dimensions and Weights	
Faceplate LxH	220x130 (8.66" + 5.12")
Depth D+T	50 mm (1.97")
Weight	Approx. 0.8 Kg (without cable)
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: ul61010-1 / UL61010-2-201
Safety functions	IEC 61508 / EN ISO 13849-1

### X7 Wired

System Resources	
Display - Colors	7" TFT - 16M
Resolution	1024x600
Brightness	400 Cd/m <sup>2</sup> 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 & 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	0.4 A at 24Vdc (max 0.50A at 19.2 Vdc), 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

### X10 Wired

### Ordering information

Model	Part Number	Description
X5 Wired	10100610YE-0000	X5 Wired (YEISYY1201), Ethernet, wheel, selector, potentiometers, cable 3 m, connector, weight approx. 1.3 Kg
	10100610YE-0002	X5 Wired (YEI00Y4201), Ethernet, wheel, cable 5 m, connector, weight approx. 1.6 Kg
	10100610YE-0003	X5 Wired (YEI00Y2201), Ethernet, wheel, cable 10 m, connector, weight approx. 2.3 Kg
	10100610YE-0001	X5 Wired (YEISYY3201), Ethernet, wheel, selector, potentiometers, cable 20 m, connector, weight approx. 3.7 Kg
X Wiring Box	10500610YE-0002	X5 Wired Connection Box, weight approx. 0.2 Kg
X Docking Cradle	10500610YE-0000	X5 Wired Docking Cradle, weight approx. 0.2 Kg
Model	Part Number	Description
X7 Wired - YEI000Y1CA1	10100540YE-0001	Mobile HMI 7" PCAP Touch, Emergency Stop, Keypad, JMobile runtime, net weight app. 1.1 Kg
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