

H4 Wireless Handheld HMI

The H4 Wireless Handheld HMI is a compact and lightweight device with an ergonomic design. Wireless connection with certification for safety devices makes this product the ideal solution for industrial applications. Integrated devices (Keyboard, potentiometers, handwheel) can be fully programmed assuring a quick use with your automation project. H4 is fully programmable with JMobile



- 5" TFT color display
- 480x272 pixel resolution, 64K colors
- Resistive touchscreen
- USB Host port
- Emergency stop button
- 3-positions enabling switch
- 2 potentiometers
- 1 optional handwheel
- 19 user-programmable selection keys

Highlights

The H4 Wireless handheld brings the power and flexibility of JMobile HMI to the factory floor. Wireless connection with certified functional safety avoids the safety concerns related to cable in industrial environments.

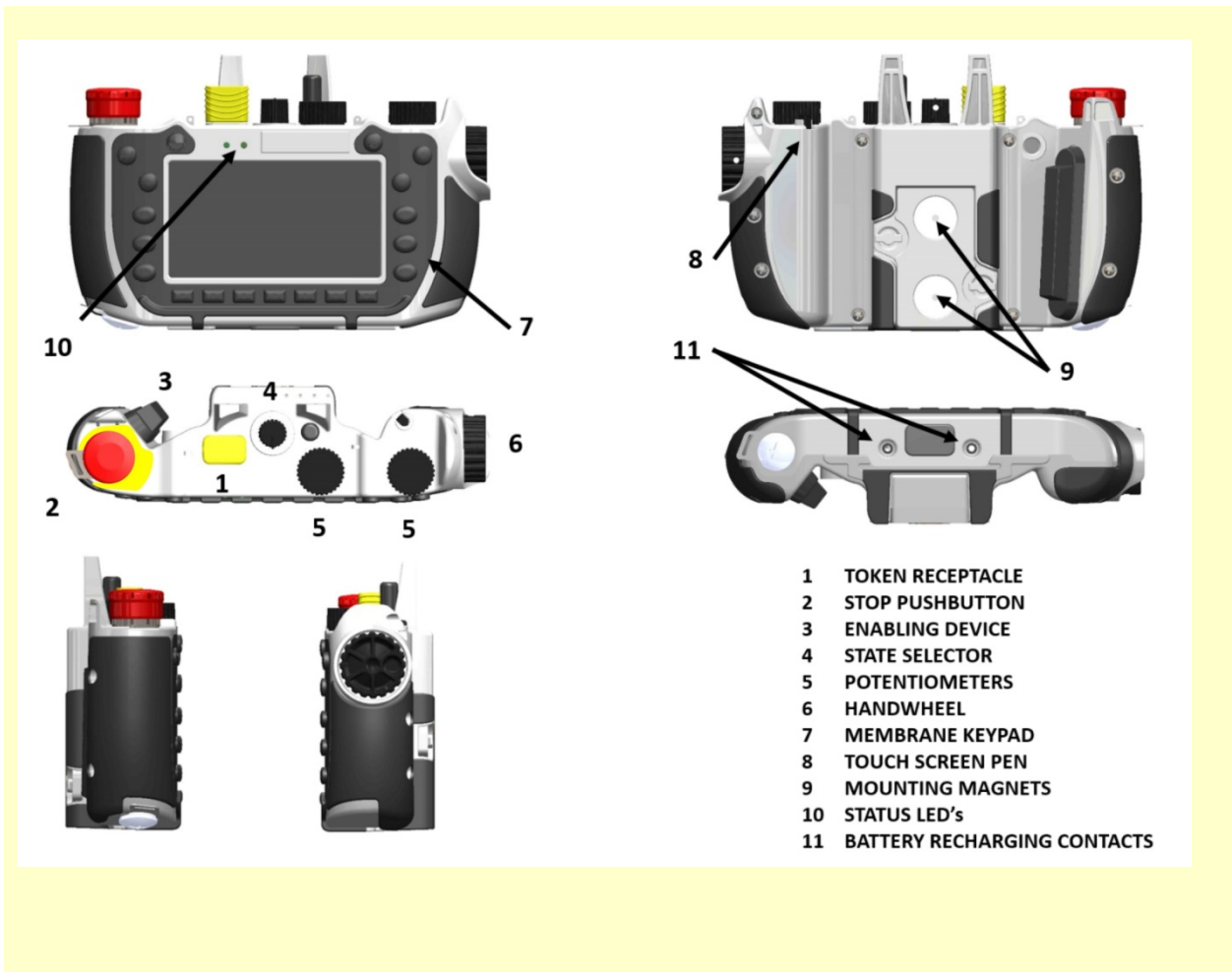
The H4 handheld has been designed to run the JMobile software. It includes a JMobile runtime. Full compatibility with JMobile V2.0 or higher.

- Supports JMobile Ethernet protocols
- Requires a Wi-Fi access point for Ethernet communication (not part of the delivery package)
- Hanging magnets.

Technical Data

Display Type Resolution Active display area Colors Backlight Brightness Dimming	TFT 480x272, WQVGA 5" diagonal 64K LED 300 Cd/m ² typ. Dimmable to 0%	Weight Battery (power) Battery (RTC backup)	Approx 0.9 Kg Rechargeable Lithium battery Rechargeable Lithium battery, not user-replaceable
System Resources Operating System User memory RAM	Microsoft Windows CE 6.0 128 MB Flash 256MB DDR	Environmental Conditions Operating temperature Storage temperature Operating and storage humidity Protection class	5° to +45 °C -20° to +70 °C 5 – 95 % relative humidity, non-condensing IP64
Operator Interface Touchscreen LED indicators	Resistive 2	Dimensions Faceplate LxH Cutout AxB Depth D+T	220x144 mm - 63 mm
Interface Ethernet Bluetooth USB Serial Memory Card Expansion Handwheel Potentiometer State selector switch Emergency stop Enabling switch	Wi-Fi 802.11 Reserved for safety functions Host Interface Interface version 2.0 - - - Yes (option) 2 16 positions Yes 3 positions	Approvals CE Safety Safety functions	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments 2006/42/EC EN ISO 13849-1:2008 EN 62061 :2005/A1:2013 EN 60204-1:2006/A1:2009 Emergency Stop cat 3, PL d / SIL 2 Enabling cat 3, PL d / SIL 2 State selector cat 1, PL c / SIL 1
Functionality Hardware Real Time Clock Screen saver Buzzer	Yes, with battery back-up Yes -		
Ratings Power supply voltage Current consumption Fuse	24 Vdc (18 to 30 Vdc) 0.25 A at 24Vdc (max.) Automatic		

Connections



- 1 TOKEN RECEPTACLE
- 2 STOP PUSHBUTTON
- 3 ENABLING DEVICE
- 4 STATE SELECTOR
- 5 POTENTIOMETERS
- 6 HANDWHEEL
- 7 MEMBRANE KEYPAD
- 8 TOUCH SCREEN PEN
- 9 MOUNTING MAGNETS
- 10 STATUS LED's
- 11 BATTERY RECHARGING CONTACTS

Ordering Information

Model	Part Number	Description
H4	+H4SISTEMA001	Wireless handheld, 5" TFT color touchscreen, emergency stop button, enabling switch, state selector, handwheel, JMobile runtime. Package includes H4 handheld, Receiving station, Charging station with spare battery, Antenna, Token

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