

H3 Wired Handheld HMI

The H3 Wired Handheld HMI is the compact and ergonomic handheld with small dimensions and weight. Its integrated devices (Keyboard, potentiometers, handwheel) can be fully programmed assuring a quick integration with your automation project. H3 includes an emergency stop button and a three positions enabling switch. H3 is available either with Ethernet or serial interface.



- 5" TFT color display
- 480x272 pixel resolution, 64K colors
- Resistive touchscreen
- Ethernet connection or serial connection
- USB Host port
- Emergency Stop button and Enabling Switch
- 2 potentiometers
- 1 optional handwheel
- 19 user-programmable selection keys
- Hanging magnets

Highlights

The H3 handheld has been designed to run the JMobile software.

- JMobile runtime included. Full compatibility with JMobile Studio.
- Full vector graphic support. Native support of SVG graphic objects. Transparency and alpha blending.
- Full object dynamics: control visibility and transparency, move, resize, rotate objects on screen. Change properties of basic and complex objects.
- TrueType fonts
- Multilanguage applications. Easily create and manage your applications in multiple languages to meet global requirements.
- Rich set of state-of-the-art HMI features: graphical presentation of data presentation, data acquisition, alarm handling, scheduler and timed actions, recipe data storage, users and passwords, e-mail and RSS feeds, rotating menus.
- Indexed addressing and cross-reference viewer.
- Wide selection of communication drivers for factory and building automation.
- Multiple drivers communication capability.
- Remote monitoring and control. Client-Server functionality. Mobile clients supported.
- Remote maintenance and support with VNC based functionality.
- Off-line and on-line simulation of the HMI application with JMobile Studio.
- Powerful scripting language for automating HMI applications. Includes script debugger.
- Create and print reports to printers and to file.
- Page templates to simplify application design.
- Rich gallery of symbols and objects
- Mediaplayer widget
- IP Network camera widget
- Optional CoDeSys SoftPLC
- Optional connection box for fast installation and connection.

Technical Data

Display	
Type	TFT
Resolution	480x272, WQVGA
Active display area	5" diagonal
Colors	64K
Backlight	LED
Brightness	300 Cd/m ² typ.
Dimming	Dimmable to 0%
System Resources	
Operating System	Microsoft Windows CE 6.0
User memory	128 MB Flash
RAM	256MB DDR
Operator Interface	
Touchscreen	Resistive
LED indicators	1
Interface	
Ethernet	10/100 Mbit (selected models)
USB	Host Interface V2.0
Serial	1 RS-232/RS-422/RS-485(selected models)
Memory Card Expansion	-
Handwheel	Yes (option)
Potentiometer	2
State Selector Switch	16 positions
Emergency Stop	Hardwired
Enabling Switch	Hardwired, 3-positions
Functionality	
Hardware Real Time Clock	Yes, with battery back-up
Screen saver	Yes
Buzzer	-

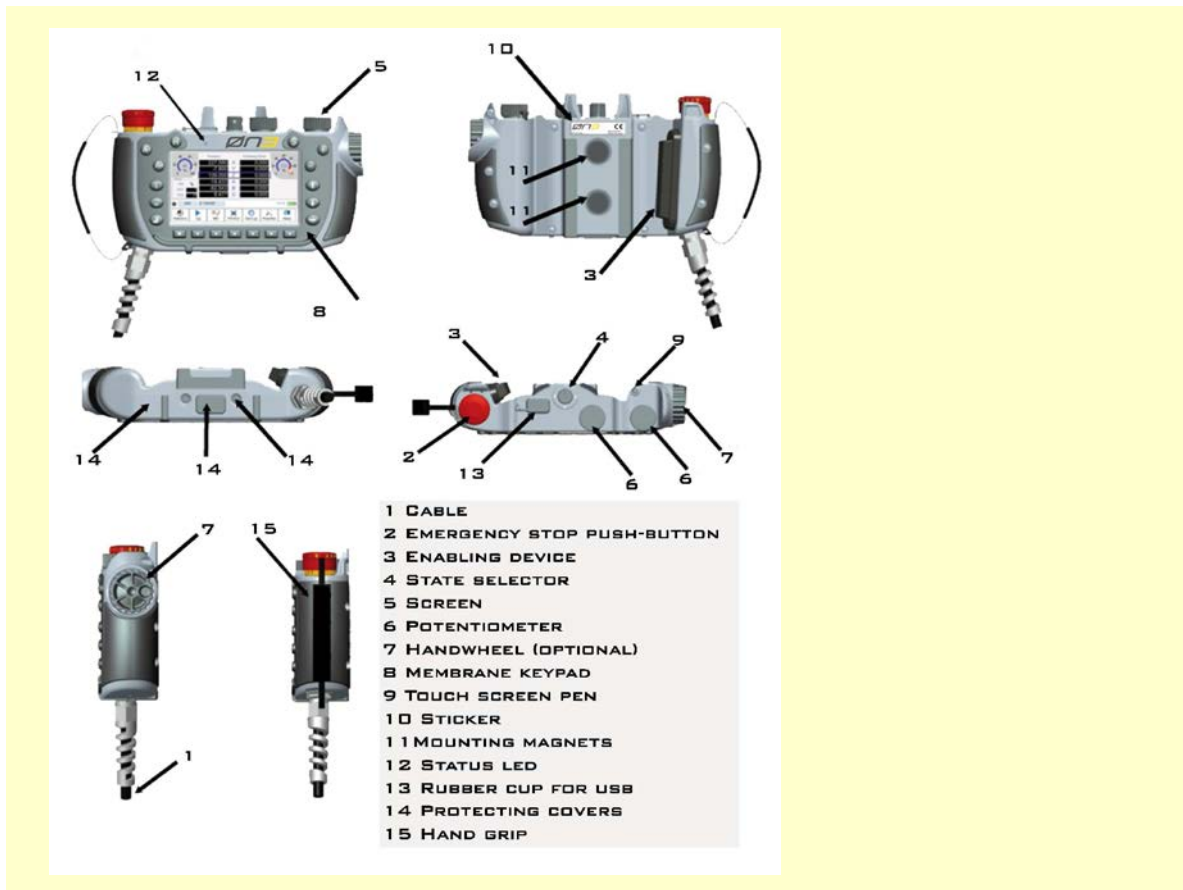
Ratings	
Power supply voltage	24 Vdc (18 to 30 Vdc)
Current consumption	0.25 A at 24Vdc (max.)
Fuse	Automatic
Weight	Approx 0.8 Kg (not including cable)
Battery	Rechargeable Lithium battery, not user-replaceable

Environmental Conditions	
Operating temperature	5° to +45 °C
Storage temperature	-20° to +70 °C
Operating and storage humidity	5 – 95 % relative humidity, non-condensing
Protection class	IP64

Dimensions	
Faceplate LxH	220x130 mm
Cutout AxB	-
Depth D+T	50 mm

Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	UL508 Listed Only: +EP3H3REJ2H0YE2 +EP3H3REJ4H0YE2

Connections



Ordering Information

Model	Part Number	Description
H3	+EP3H3REJ200YE1	H3 handheld HMI, Ethernet interface, 10 meters, JMobile runtime
	+EP3H3REJ2H0YE1	H3 handheld HMI, Ethernet interface, 10 meters, handwheel, JMobile runtime
	+EP3H3REJ2H0YE2	H3 handheld HMI, Ethernet interface, 10 meters, circular connector, handwheel, JMobile runtime, UL approval
	+EP3H3REJ400YE1	H3 handheld HMI, Ethernet interface, 20 meters, JMobile runtime
	+EP3H3REJ4H0YE1	H3 handheld HMI, Ethernet interface, 20 meters, handwheel, JMobile runtime
	+EP3H3REJ4H0YE2	H3 handheld HMI, Ethernet interface, 20 meters, circular connector, handwheel, JMobile runtime, UL approval
	+EP3H3RSJ200YE1	H3 handheld HMI, serial interface, 10 meters, JMobile runtime
	+EP3H3RSJ2H0YE1	H3 handheld HMI, serial interface, 10 meters, handwheel, JMobile runtime
CONNECTION BOX	+EP3H00000X0YA2	Connection box with circular connector, UL approval
STANDBY STATION	+EP3H00000B0YA0	Holder for H3

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