

H3 Handheld Tech-Note

Key features

- Handheld HMI device with Safety Functions
- Compact and Lightweight
- Ergonomic design
- Programming tool “Drag&Drop”
- High reliability from industrial grade components
- Create user interfaces for all application areas
- Supports a great number of communication protocols
- Resistive touchscreen and keypad with tactile feedback
- USB Ports
- Emergency Stop button and 3-position Enabling Switch
- Integrated Handwheel, available as option
- Integrated 16-position selector and potentiometers
- Connection box, available as option
- Device Holder, available as option
- Cable length 5, 10, 20 meters
- Low Power Consumption
- Extended sales and support network



Overview

ON3 is an independent brand company specialized in safety products for Factory Automation.

ON3 handhelds are engineered and supported by Exor International S.p.A.

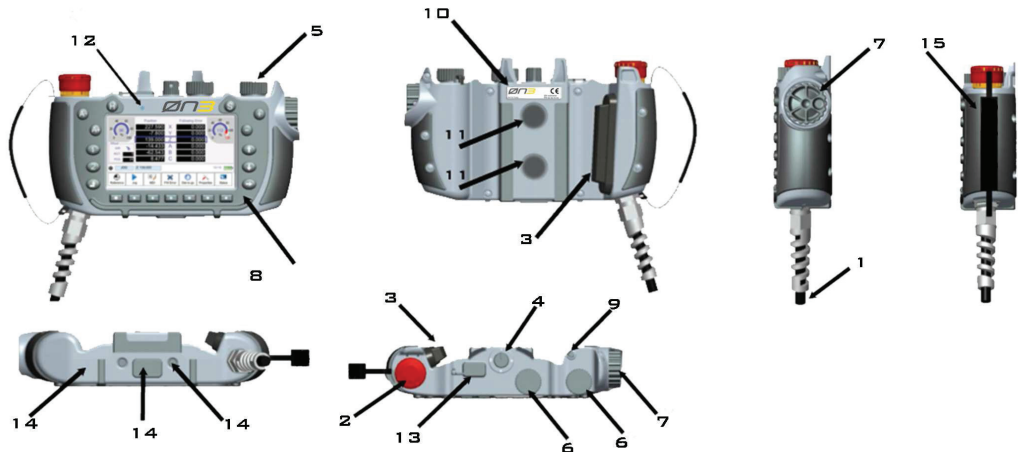
For further information: www.On3.eu

Technical Data



System Resources	
Display - Colors	TFT LED - 64K
Resolution	480x272
Brightness	300 Cd/m² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 600 MHz
Operating System	Microsoft Windows CE 6.0
Flash	128 MB
RAM	256 MB
Real Time Clock, RTC Back-up	Yes
Handwheel	Yes (option)
Potentiometer	2
State Selector Switch	16 positions
Emergency stop	Yes, Hardwired
Enabling Switch	Hardwired, 3-positions
Interface	
Ethernet	10/100 Mbit (selected models)
USB port	1 Host V2.0
Serial	1 RS-232, RS-422, RS-485 (selected models)
Ratings	
Power supply (charging station)	24 Vdc (18 to 30 Vdc)
Current Consumption	0.25 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	+5 to +45°C
Storage Temp	-20 to +70°C
Operating / Storage Humidity	5-95% RH, non condensing
Protection Class	IP64
Dimensions and Weights	
Faceplate LxH	220x130 mm
Depth D+T	50 mm
Weight	Approx 0.8 Kg, (not including cable)
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508 (only +EP3H3REJ2H0YE2, +EP3H3REJ4H0YE2)

- 1 Cable
- 2 Emergency stop push-button
- 3 Enabling device
- 4 State Selector
- 5 Screen
- 6 Potentiometers
- 7 Handwheel (Optional)
- 8 Membrane Keypad
- 9 Touchscreen pen
- 10 Sticker
- 11 Mounting magnets
- 12 Status LED's
- 13 Rubber cup for USB
- 14 Protecting covers
- 15 Hand Grip



Ordering Information

Model	Part Number	Description
H3	+EP3H3REJ200YE1	HMI H3 ON3 WIRED 10 m ETHERNET JM
H3	+EP3H3REJ400YE1	HMI H3 ON3 WIRED 20 m ETHERNET JM
H3	+EP3H3REJ2H0YE1	HMI H3 ON3 WIRED 10 m ETH+HANDWHEEL JM
H3	+EP3H3REJ4H0YE1	HMI H3 ON3 WIRED 20 m ETH+HANDWHEEL JM
H3	+EP3H3RSJ200YE1	HMI H3 ON3 WIRED 10 m SERIAL JM
H3	+EP3H3RSJ2H0YE1	HMI H3 ON3 WIRED 10 m SERIAL+HANDWHEEL JM
H3	+EP3H3REJ2H0YE2	HMI H3 ON3 10 m ETH+HANDWHEEL CIRCULAR CONNECTOR JM - UL APPROVAL
H3	+EP3H3REJ4H0YE2	HMI H3 ON3 20 m ETH+HANDWHEEL CIRCULAR CONNECTOR JM - UL APPROVAL
H3	+EP3H00000X0YA2	CONNECTION BOX H3 CIRCULAR CONNECTOR - UL APPROVAL
H3	+EP3H00000B0YA0	STANDBY STATION H3 - HOLDER FOR H3