



# Handheld IC-HH51

- Robust design, suitable for indoor and outdoor use
- Simple handling via large touch display
- Wide variety of helpful functions already available in the standard software
- Option to create application-specific software
- Sliding mechanism for tool-free module replacement

Modular handheld, Android



## Technical Data

### General specifications

Description Handheld, touch screen, Wi-Fi, Bluetooth, Android

### Nominal ratings

Processor NXP i.MX8M Mini, 4x Cortex A53 (4x 1.8 GHz) and 1x Cortex M4 (1x 400 MHz)  
 Memory 16 GB Flash  
 2 GB RAM

### Indicators/operating means

Display 5.0 inch TFT color display with LED backlight, capacitive  
 Resolution 1280 x 720 pixels  
 LED green Device on  
 Key On/off scanner

### Electrical specifications

Battery type Lithium ion battery: 3.8 V; 6000 mAh  
 Supply via charger or from inserted Li-ion battery

### Interface

Interface type Physical: USB connection and Ethernet connection via charger (accessories)  
 Radio connection: WLAN IEEE 802.11 a/b/g/n/ac/d/h/e/i/r/w/v (2.4 GHz/5 GHz)  
 Compatible with Bluetooth 5.0

### Directive conformity

Radio equipment  
 Directive 2014/53/EU EN 301489-1  
 EN 300328  
 EN 301893  
 EN 62368-1  
 RoHS  
 Directive 2011/65/EU (RoHS) IEC/EN 63000

### Standard conformity

Degree of protection EN 60529

### Approvals and certificates

CE conformity CE  
 FCC approval This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:  
 (1) This device may not cause harmful interference, and  
 (2) This device must accept any interference received, including interference that may cause undesired operation.  
**Caution:**  
 Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Release date: 2023-07-18 Date of issue: 2023-07-18 Filename: 70119694\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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

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## Technical Data

IC approval	This device complies with Industry Canada licence-exempt RSS standard(s) and with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Radio approval	USA: Contains FCC ID XO2-SPB228D Canada: Contains IC 8713A-SPB228D
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Charging temperature	5 ... 45 °C (41 ... 113 °F)
<b>Mechanical specifications</b>	
Housing length	174 mm
Housing width	82 mm
Housing height	28 mm
Degree of protection	IP54
<b>Material</b>	
Housing	Plastic ABS/PC
Mass	approx. 390 g
Note	Li-ion battery included in scope of delivery The charger is not included in the scope of delivery

## Accessories

	<b>IPH-HH50</b>	RFID read/write head 125 kHz (LF) for modular handheld
	<b>IQH1-HH50</b>	RFID read/write head 13.56 MHz, ISO 15693 (HF) for modular handheld
	<b>IUH-HH50-FR1-01</b>	RFID read/write head for handheld, UHF, Europe
	<b>IUH-HH50-FR2-02</b>	RFID read/write head for handheld, UHF, USA
	<b>IUH-HH50-FR2-03</b>	RFID read/write head for handheld, UHF, China
	<b>ICZ-HH50-CHARGER</b>	Docking station for IC-HH51 and IC-HH52
	<b>ICZ-HH50-BAT</b>	Replacement battery for IC-HH51 and IC-HH52

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