



Handheld IC-HH52

- 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
- Integrated scanner and camera

Modular handheld, Android, camera, barcode



Technical Data

General specifications

Description	Handheld, touch screen, Wi-Fi, Bluetooth, Android, 5 MP camera, 1-D/2-D barcode reader
-------------	--

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	4.8 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: 10/100 Ethernet and full-speed USB 2.0 via charger 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 Bluetooth 2.0 + EDR
----------------	--

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: 2022-05-19 Date of issue: 2022-05-19 Filename: 70119695_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

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	
Ambient conditions		
Ambient temperature		-20 ... 50 °C (-4 ... 122 °F)
Storage temperature		-20 ... 60 °C (-4 ... 140 °F)
Charging temperature		5 ... 45 °C (41 ... 113 °F)
Mechanical specifications		
Housing length		174 mm
Housing width		82 mm
Housing height		28 mm
Degree of protection		IP54
Material		
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

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