



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
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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
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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
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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.

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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.
CCC approval		2025010902772626
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		
Degree of protection		IP54
Material		
Housing		Plastic ABS/PC
Mass		approx. 390 g
Dimensions		
Height		28 mm
Width		82 mm
Length		174 mm
Note		Li-ion battery included in scope of delivery The charger is not included in the scope of delivery