



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.

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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.
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