Model Number

IQT-HH20

Handheld (13.56 MHz)
for System IDENTControl

Features

- Suitable for IQC data carrier
- Keypad for entry of alphanumeric characters
- LCD display
- Free programming with JavaScript
- Communication via Bluetooth, USB, RS 232, or PS/2 interfaces

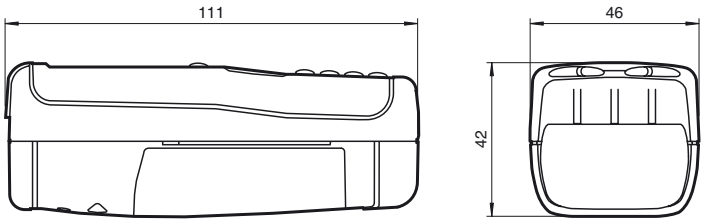
Function

The handheld is used to identify RFID code and data carriers in the specified frequency range. The handheld is the ideal addition to the IDENT Control system of Pepperl+Fuchs: You can use it for manual quality control, for example, or to record maintenance work.
The design is similar to the keypad on a mobile phone, which makes control intuitive. You can also assign frequently used actions to two function keys or adjust the range of functionality to your needs with custom JavaScript applications.
A rechargeable lithium battery, 4 MB of user-programmable memory, and optionally available wireless communication with bluetooth ensure full mobility. Data stored in the handheld can also be easily transferred to a PC via USB, RS 232, or PS/2 interface.
A large selection of other accessories is also available.

Matching system components

ODZ-MAH-BAT
Lithium ion battery 1950 mAh

Dimensions



Technical data

General specifications	
Operating frequency	13.56 MHz
Reading distance	0 ... 45 mm
Writing distance	0 ... 45 mm
UL File Number	E87056
Nominal ratings	
Processor	RMI Alchemy Au1100
Clock pulse frequency	400 MHz
Memory	
Non-volatile memory	4 MByte
Functional safety related parameters	
$MTTF_d$	47 a
Mission Time (T_M)	10 a
Diagnostic Coverage (DC)	0 %
Indicators/operating means	
Display	LC-Display 128 x 128 Pixel, monochrom
Keyboard	Keypad for entering alphanumerical characters
Key	Programmable function keys
Electrical specifications	
Supply	From interface or deployed Li-Ion rechargeable battery
Interface	
Physical	Bluetooth , USB 2.0 , RS 232 or PS/2
Protocol	ASCII
Ambient conditions	
Ambient temperature	0 ... 40 °C (273 ... 313 K)
Storage temperature	-20 ... 60 °C (253 ... 333 K)
Mechanical specifications	
Protection degree	IP20
Connection	System connector for connecting cable or handle
Material	
Housing	plastic
Mass	approx. 180 g
Dimensions	112 mm x 46 mm x 41 mm
Compliance with standards and directives	
Directive conformity	
R&TTE Directive 1995/5/EC	EN 301489-1 V1.8.1 (2008-04), EN 301489-3 V1.4.1 (2002-08), EN 300330-2 V1.3.1 (2006-04), EN 60950-1:2006
Standard conformity	
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-4
Protection degree	EN 60529
RFID	ISO/IEC 15693-2 , ISO/IEC 15693-3 , ISO/IEC 18000-3

Release date: 2009-09-01 09:14 Date of issue: 2009-09-28 186950_ENG.xml

Accessories

ODZ-MAH-SUPPLY
Power supply

ODZ-MAH-BLANK
Battery blank

ODZ-MAH-GRIP1
Handle

ODZ-MAH-GRIP2
Handle with battery

ODZ-MAH-GRIP3
Handle with battery

ODZ-MAH200-SUPPLY
Power supply

ODZ-MAH-CAB-CHARGE
Cable for power supply unit

ODZ-MAH200-CHARGER
Charger for ODT-HH-MAH200/ODZ-MAH-BAT

ODZ-MAH-CHARGER
Charging tray for ODZ-MAH-GRIP2/GRIP3

ODZ-MAH-CAB-B14
Connecting cable, USB interface

ODZ-MAH-CAB-R6
Connecting cable PS/2 interface

ODZ-MAH-CAB-R2
Connection cable RS 232 interface

ODZ-MAH-B15
Bluetooth modem, configured for USB

ODZ-MAH200-B15-B14
Bluetooth Dongle USB

ODZ-MAH300-COVER
Protective sleeve

ODZ-MAH300-BRACKET
Bracket for hand-held units with displays

ODZ-MAH-CHARGER-SINGLE
Charger for ODT-HH-MAH200/300/I*T-HH20

ODZ-MAH-B15-M3
Bluetooth modem, configured for USB

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