



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## HF Handheld Reader ID ISC.PRH101-A / PRH102-B / PRH101-USB



### FEATURES

- Variable interfaces (RS232, USB, Bluetooth)
- Anti-collision function
- Multi-tag reader for ISO15693 and ISO18000-3
- 2 operation modes: FEIG ISO Host Mode & Scan Mode



## SHORT DESCRIPTION

The handheld readers ID ISC.PRH101/102 are designed for contactless data exchange with common ISO 15693 transponders. They can be used for those applications, read ranges up to 13cm\* (PRH102-B) resp. up to 20cm\* (PRH101-A/-USB) are required.

Due to different interfaces the handheld readers can be integrated in existing systems easily. So they are suitable for several applications in retail, logistics and industry.

The anti-collision function allows the handheld readers identification of up to 30 transponders simultaneously. With a switchable voltage on the antenna line a LED located in the antenna can be operated.

For programming host applications on mobile devices FEIG offers DLLs for different systems like Pocket PC, CE3.0, CE.NET, Windows-, Linux- and Java systems.

\*Read range depends on the transponder size.  
Here made statements relate to an inlet size of 76 x 45 mm

## ORDER DESCRIPTIONS

ID ISC.PRH101-A	HF Handheld Reader; RS232 (with 2.5 m interface cable)
ID ISC.PRH102-B	HF Handheld Reader; Bluetooth
ID ISC.PRH101-USB	HF Handheld Reader; USB 2.0 (with 2.5 m USB cable)
ID NET.5V-B	5V power supply for ID ISC.PRH101-A
ID CHA.NiMH-A	Battery Charger for ID ISC.PRH102-B

## TECHNICAL DATA

Dimensions (W x H x D)	230 mm x 100 mm x 80 mm
Weight	320 g (without batteries)
Housing	Plastic ABS
Protection class	IP 30
Color	RAL 9002 / RAL 7044
Operating frequency	13.56 MHz
Transmitting power	0.5 W ± 2 dB
Supply voltage	
- ID ISC.PRH101-A	5V DC +/- 0,2V regulated
- ID ISC.PRH102-B	4 Mignon cells 1,2-1,5V AA
- ID ISC.PRH101-USB	USB High Powered Interface
Current consumption	maximum 0.5 A
Power consumption	maximum 2.5 VA
Antenna	integrated
Interfaces	
- ID ISC.PRH101-A	RS232
- ID ISC.PRH102-B	Bluetooth (Serial port profile)
- ID ISC.PRH101-USB	USB (12 Mbit)
Address setting for interface	
- ID ISC.PRH101-A	Software (up to 254 addresses)
- ID ISC.PRH102-B	Bluetooth MAC address
- ID ISC.PRH101-USB	Device-ID of the reader
Signal generator, optical	1 LED (multicolored)
Signal generator, acoustic	buzzer
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)*
Protocol modes	ISO Host Mode, Scan Mode
Temperature range	
Operation	0 °C up to 50 °C
Storage	-20 °C up to 70 °C
Relative humidity	5...95 % (not condensing)

\* e.g. EM HF ISO Chips, Fujitsu HF ISO Chips, IDS Sensor Chips, Infineon my-d, KSW Sensor Chips, NXP I-Code, STM ISO Chips, TI Tag-it

## STANDARD CONFORMITY

Radio licence	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	
Low Voltage	EN 60950
Human Exposure	EN 50364
Vibration	EN 60068-2-6 10...150 Hz: 0,075 mm / 1 g
Shock	EN 60068-2-27 acceleration: 30 g

FEIG ELECTRONIC reserves the right to change specification without notice at any time.  
State of information: August 2016.