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!

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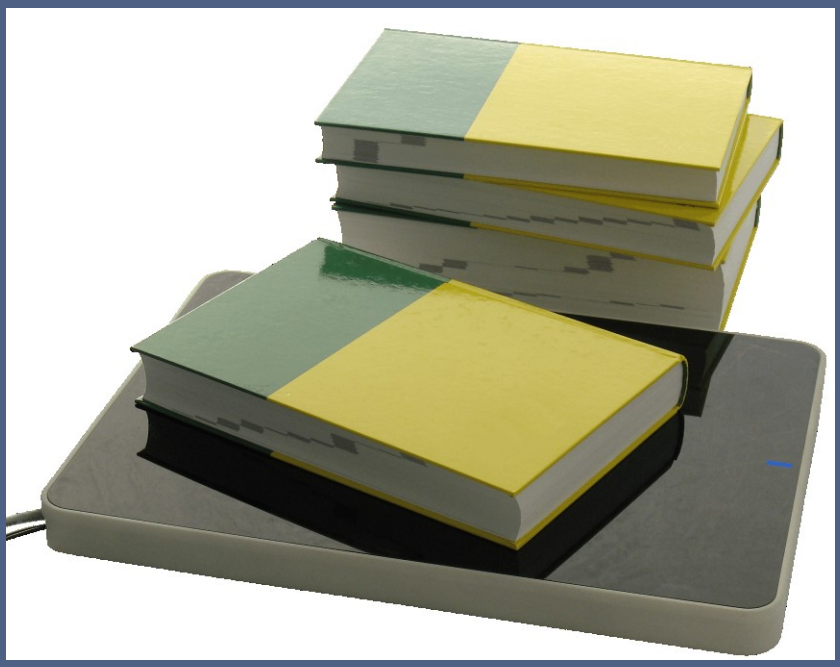
OBID i-scan® HF

Shielded HF Pad Antenna
ID ISC.ANTS370/270
ID ISC.SPAD102



FEATURES

- More than 30 cm read range
- Modern design
- No tag reading outside of the antenna area
- Optical feedback via LED
- No detuning of the antenna when installing on metal or rather conductive material
- Available as external antenna or with integrated reader

ID ISC.ANTS370/270-A

DESCRIPTION

The ID ISC.ANTS370/270-A is designed as a very flat and external antenna for contactless data exchange with common HF transponders and is attractive with its outstanding performance and the modern design.

With these features the antenna is suitable for desktop applications in offices and libraries to trace files or documents and to detect lendable items at the check out or return point. The read range with single transponders could reach more than 30 cm.

Due to its integrated shielding transponders will be detected only inside the antenna area and interferences between several antennas will be minimized. Additionally the installation on metallic or conductive surfaces has no influence on the antenna. Therefor the ID ISC.ANTS370/270-A could be used in normally unsuitable environments.

The antenna ID ISC.ANTS370/270-A has an included coaxial cable to connect it directly to a reader. To indicate different conditions the blue LED could be powered with a DC voltage on the antenna output of the reader.

ORDER DESCRIPTION

ID ISC.ANTS370/270-A	Shielded, external antenna with coaxial cable

TECHNICAL DATA

Dimensions (W x H x D)	376 mm x 276 mm x 27 mm (14,8 inch x 10,9 inch x 1,1 inch)
Weight	approx. 2 kg (4,4 lbs)
Housing	
- Pad	Acrylic glass
- Upper part	Plastic SB
- Lower part	Zinced steel
Colour	
- Pad	transparent; black
- Upper part	similar RAL 9003 (white)
Protection class	IP 30
Temperature range	
- Operation	–25 °C up to 55 °C (-13 °F up to 131 °F)
- Storage	–25 °C up to 85 °C (-13 °F up to 185 °F)
Relative air humidity	5…95 % (non-condensing)
Operating frequency	13,56 MHz
Max. input power	1,5 W
Antenna connection	RG58 coaxial cable with SMA connector (50 Ω); approx. 2,3m long (90.5 inch)
Indicator, optical	1 LED (blue; switchable via DC voltage at the antenna output of the reader)

STANDARD CONFORMITY

EMC	EN 301 489
Safety	
Electrical safety	EN 60950
Human exposure	EN 50364

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ID ISC.SPAD102

DESCRIPTION

The ID ISC.SPAD102 is designed as a very flat antenna with integrated reader for contactless data exchange with ISO 15693 transponders and is attractive with its outstanding performance and the modern design.

With these features the antenna is suitable for desktop applications in offices and libraries to trace files or documents and to detect lendable items at the check out or return point. The read range with single transponders could reach more than 30 cm.

Due to its integrated shielding transponders will be detected only inside the antenna area and interferences between several antennas will be minimized. Additionally the installation on metallic or conductive surfaces has no influence on the antenna. Therefor the ID ISC.SPAD102 could be used in normally unsuitable environments.

The antenna ID ISC.SPAD102 is available in an USB version and an Ethernet version including PoE capability. With its two versions and the three different protocol modes a variable integration of the antenna in existing background systems is possible.

TECHNICAL DATA

Dimensions (W x H x D)	376 mm x 276 mm x 27 mm (14,8 inch x 10,9 inch x 1,1 inch)
Weight	approx. 2 kg (4,4 lbs)
Housing	
- Pad	Acrylic glass
- Upper part	Plastic SB
- Lower part	Zinced steel
Colour	
- Pad	transparent; black
- Upper part	similar RAL 9003 (white)
Protection class	IP 30
Temperature range	
- Operation	–25 °C up to 55 °C (-13 °F up to 131 °F)
- Storage	–25 °C up to 85 °C (-13 °F up to 185 °F)
Relative air humidity	5…95 % (non-condensing)
Operating frequency	13,56 MHz
Max. transmitting power	1,5 W ± 1 dB
Supply voltage	
- ID ISC.SPAD102-PoE	12…24 V DC or PoE
- ID ISC.SPAD102-USB	12…24 V DC
Power consumption	max. 6 W
Interfaces	
- ID ISC.SPAD102-PoE	Ethernet (TCP/IP)
- ID ISC.SPAD102-USB	USB (Full Speed)
Indicator, optical	1 LED (blue)
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)*
Protocol modes	ISO Host Mode, Scan Mode, Notification Mode
Others	Temperature monitoring

* 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

ORDER DESCRIPTION

ID ISC.SPAD102-PoE	Shielded antenna with integrated reader; Ethernet (TCP/IP, PoE)
ID ISC.SPAD102-USB	Shielded antenna with integrated reader; USB

STANDARD CONFORMITY

Radio license	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	
Electrical safety	EN 60950
Human exposure	EN 50364

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