ID ANTS370/270 / ID SPAD102

SHIELDED HF PAD ANTENNA

- 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

Shielded HF Pad Antenna

ID ANTS370/270-A and ID SPAD102 are designed as very flat and shielded antennas for contactless data exchange with common HF transponders. ID SPAD102 has an integrated HF reader, ID ANTS370/270-A has to be connected with a reader.

Both devices impress with outstanding performance and their modern design and are 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. Therefore the antenna could be used in normally unsuitable environments.

The antenna ID 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.

ID SPAD102 is available with an USB interface and can be integrated into existing background systems easily.

SHIELDED HF PAD ANTENNA

ID ANTS370/270

Technical data

Dimensions (w x h x d)	376 mm x 276 mm x 27 mm (14.8 inch x 10.0 inch x 1.1 inch)
Weight	approx. 2.0 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	IP30
Operating frequency	13.56 MHz
Max. transmitting power	1.5 W
Antenna connection	RG58 coaxial cable with SMA connector (50 Ω); approx. 2.3 m long
Indicator, optical	1 LED (blue; switchable via DC voltage at the antenna output of the reader)
Temperature range	
Operation	–25 °C up to +55 °C (–13 °F up to 131 °F)
Storage	–25 °C up to +70 °C (–13 °F up to 158 °F)
Relative air humidity	5 % up to 95 % (non-condensing)

ID ANTS370/270

Standard conformity

EMC	EN 301 489
Safety & Health	EN 62368-1, EN 50364

Order description

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

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SHIELDED HF PAD ANTENNA WITH INTEGRATED READER

ID SPAD102

Technical data

Dimensions (w x h x d)	376 mm x 276 mm x 27 mm (14.8 inch x 10.0 inch x 1.1 inch)
Weight	approx. 2.0 kg (4.4 lbs)
Housing	
Pad	Acrylic glass
Upper part	Plastic SB
Lower part	Zinced steel
Color	
Pad	transparent; black
Upper part	similar RAL 9003 (white)
Protection class	IP30
Operating frequency	13.56 MHz
Max. transmitting power	1.5 W ± 1 dB
Supply voltage	12 to 24 V DC
Power consumption	max. 6 W
Interfaces	
Variant -USB	USB
Variant -E	LAN
Indicator, optical	1 LED (blue)
Supported transponders	ISO 15693, (ISO 18000-3 MODE 1)*
Reader modes	ISO Host Mode, Scan Mode**, Notification Mode
Others	Temperature monitoring
Temperature range	
Operation	–25 °C up to +55 °C (–13 °F up to 131 °F)
Storage	–25 °C up to +70 °C (–13 °F up to 158 °F)
Relative air humidity	5 % up to 95 % (non-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

** ID SPAD102-USB operates in HID mode if the integrated USB reader is configured in Scan Mode.

ID SPAD102

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 & Health	EN 62368-1, EN 50364

Order description

ID SPAD102-USB	Shielded antenna with integrated reader; USB
ID SPAD102-E	Shielded antenna with integrated reader; LAN interface (on demand)

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