

The TechSigno Antennas

Antennas for inside, outside or OEM versions for RFID systems working at 125Khz, 13,56Mhz and UHF (869-960)MHz. It is assembled in a plastic case and includes a cable of variable length with or without a final RF connector. On request a bicolor LED can be included on the same box to meet user needs.

Access control represents a typical application, allowing timekeeping applications and gates for read/write operations.

Available in coiled or PCB versions with standard or custom dimensions.

For the products featured in our catalog, **TechSigno** offers the technical support for installation and tuning. For critical environments our experience is crucial for a preliminary study and correct installation.

RoHS

(Fully RoHS (2002/95/CE) Compliant).



ANT-HF-001 Antenna for terminals and readers at 13,56MHz, good writing/reading distance and is ideal for over/under desk or wall installations



ANT-HF-002/003/004 Antenna for 13.56MHz systems. Compact (HF003), medium (HF004) or large (HF005) dimensions especially rugged, designed for Pass-Ticketing, access control and anti-vandal applications. Operating distance from 70 to 100cm



ANT-LF-001 Antenna for inside and outside installations for 125KHz (100 / 150KHz) readers. It comes in a plastic case with cable and Bicolor LED, ideal for any RFID reader model operating on that frequency.



ANT-LF-002 Antenna for inside and outside installation for 125KHz (100 / 150KHz) readers. An OEM version is available on 32 / 63 / 90 mm diameters. Compatible with major RFID readers operating on that frequency



ANT-MX-001 Antenna for RFID readers operating at 125KHz (100 / 150KHz) and 13.56MHz features good reading distance on desk or wall installations. Red and green LED and buzzer are available for audio and visual alerts.



ANT-MX-002 OEM version of the ANT-MX-001 Antenna

ANTY RFID

13.56MHz Working frequency 50 Ω impedance SMA male Connector

Type	Max allowable power	Tipology	Cable Length cm	Maximum range (cm)*	Dimension WxLxH (mm)	Material
ANT-HF-001	1	Omni	70	40	140x180x05	Solder black
ANT-HF-002	2.5	Omni	300	70	320x365x 25	POM white
ANT-HF-003	2.5	Omni	300	90	470x410x 25	POM white
ANT-HF-004	2.5	Omni	300	100	850x410x 25	POM white

125KHz working frequency 640uH impedance – connection wire without connector

Type	Max allowable Power	Cable Length cm	Maximum range (cm)*	Dimension WxLxH or DxH (mm)	Material	Notes
ANT-LF-001	1	100	20	110x110x18	PET white	With or without LED
ANT-LF-OEM/32	3	20	90	D32 H4	Cooper	680uH available
ANT-LF-OEM/63	3	20	150	D63 H4	Cooper	680uH available
ANT-LF-OEM/90	3	20	220	D90 H4	Cooper	680uH available
ANT-LF-OEM/IN	3	20	80	D7.3 H10	Cooper	680uH available

13.56MHz+125KHz Working frequency 50 Ω impedance @13.56 - 640uH or 750uH @125KHz

Type	Max allowable power	Tipology	Cable Length cm	Maximum range (cm)*	Dimension WxLxH (mm)	Notes
ANT-MX-001	2	Omni	24	7 LF 10 HF	117x73x24	ABS RAL9002
ANT-MX-002	2	Omni	24	7 LF 10 HF	90x60x10	PCB with LED and Buzzer

(*): depending on the Reader/Tag used and environmental conditions

IT IS POSSIBLE TO MOVE FROM STANDARD TO INDIVIDUAL SOLUTIONS WITH OUR "COMPREHENSIVE SERVICES".

About Us

TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

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