

## Active RFID Technology Cotag 928 Card & Cotag 911 Keyring

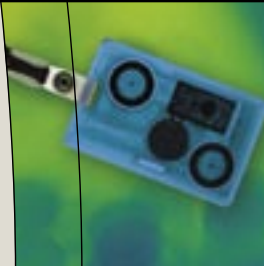


**COTAG FROM INDALA—A NEW GENERATION OF PATENTED HANDS-FREE RADIO FREQUENCY IDENTIFICATION (RFID) TECHNOLOGY OFFERING UNPARALLELED USER CONVENIENCE AND SECURITY.**

Indala introduces a new line of active cards and tags for a variety of applications—the 928 Hands-Free access card and the 911 Hands-Free keyring. Both are designed to complement the entire line of Cotag Hands-Free long-range readers. Each Hands-Free Active Card or Tag performs as an active transponder, with an encapsulated miniature transceiver and antenna that responds to a specified signal from the reader. The Hands-Free alternative uses the active transponder to provide higher return signal levels, which dramatically increases the effective read range up to 40" (one meter).

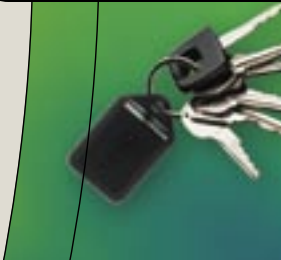
This level of performance transforms the entire access transaction. Access is now validated as the user approaches the door, even with the card remaining in a pocket or bag. If the cardholder is required to use the card as an ID badge for visual identification purposes, it may be carried in any of the normal positions—lapel, belt or around the neck—and automatically read at a control point, without any conscious user action. This makes active cards and tags ideal for healthcare or factory settings where rapid, secure access to facilities is a necessity.

### 928 HANDS-FREE ACTIVE ACCESS CARD



The 928 Indala Cotag Card is a small transponder the size of a credit card, which contains a custom microchip that controls its operation. A long-life lithium cell ensures a strong signal output. A total of 63 bits are available for data storage.

### 911 HANDS-FREE ACTIVE KEYRING



The 911 Indala Keyring Tag is an ideal alternative to the 928 Indala Cotag Card for applications where its robust construction is more appropriate. The 911 Keyring is encapsulated within a black polycarbonate case designed for a keyring or other attachment. It can be used with all Indala Cotag reading heads and Cotag loops. A custom microchip controls its operation, and a long-life lithium cell supports the memory and ensures a strong output signal during interrogation.

**COTAG HANDS-FREE TECHNOLOGY IS NOT JUST STATE-OF-THE-ART; IT IS ALSO RELIABLE AND COST EFFECTIVE. EACH CARD OR TAG IS POWERED BY A LONG-LIFE POWER CELL, GUARANTEED FOR UP TO FIVE YEARS AND TYPICALLY RETURNING A 7-10 YEAR SERVICE LIFE.**

**SPECIFICATIONS**

Product Description	Cotag 911 Active Keyring	Cotag 928 Active Clamshell Card
Dimensions	1.92" X 1.22" X .37" (49 X 31 X 9.5 mm)	3.39" X 2.14" X .11" (86.2 X 54.3 X 2.8 mm)
Read Range	Approx. 30" (75 cm) when used with Cotag Hands-Free active technology readers	Approx. 40" (1 meter) when used with Cotag Hands-Free active technology readers
Weight	.40 oz (14 g)	.53 oz (15 g)
Bit Length	5.8 milliseconds	5.8 milliseconds
Color	Black	Gray, Red, Green, Purple, Blue, Clear
Construction	Circuit encapsulated in polyurethane resin within welded polycarbonate case	Injection-molded polystyrene
Operating Temperature	4°F to 122°F (-20°C to +50°C)	4°F to 122°F (-20°C to +50°C) Max humidity – 90% non-condensing
Sealing	IP66 – dust tight, proof against immersion	IP66 – dust tight, proof against immersion
Frequency	Input 132 kHz (excitation) Output 66 kHz	Input 132 kHz (excitation) Output 66 kHz
Input Sensitivity	38mA/m maximum 120mA/m minimum	27 mA/m (max sensitivity) 77 mA/m (min sensitivity)
Program Input	Inductively coupled by programmer	Inductively coupled by programmer
Power Cell	3V lithium cell	3V lithium cell
Life of Cell	Typically 7 years depending on conditions of use	Typically 7 years depending on conditions of use
Data Format	Up to 63 serial bits	Up to 63 serial bits
Features	Small, light Robust Re-programmable 63-bit memory Long life Reads through all non-metallic materials	Credit card size, ultra-thin rugged case Re-programmable 63-bit memory Long life Reads through all non-metallic materials

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**WARRANTY**

Indala warrants this product against defects in material and workmanship under normal use and service for up to five years. See complete warranty statement for further details.

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