Metalcraft's RFID Key Fobs are the ideal identification solution for personnel applications where the tag can be secured to a key chain, etc. Works great in conjunction with our other access control products, i.e., RFID Windshield Tags or RFID Credential Tags for a complete access control solution.

The RFID fobs perform even better than they look. Made from a variety of durable, permanent materials, the actual construction of the RFID fob protects the tag by sealing it within the layers of durable material. In addition, each tag can be programmed to match the variable information printed on the label.

What is an RFID Key Fob?

An RFID key fob is a small electronic device that contains an RFID (Radio Frequency Identification) chip and is designed to be attached to a key ring for easy carrying. RFID key fobs function similarly to RFID cards or badges but in a more compact form factor. They typically consist of a plastic or metal

Features	Stunning graphics! Our subsurface digital printing process ensures crisp details on even the most complex logos for maximum clarity Durable permanent materials, no paper layers Thinner profile, not bulky as thicker options commonly used 100% data verification Two-sided printing available – both constant and variable High frequency (HF) Tags also available Compatible with RFID Tracking Software
Product Print Options	Barcode . Data Matrix . QR Code . RFID . Serial Number . Text
Product Functionality	Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability
Popular Applications	Audio / Visual . Inventory . Restoration . Theme parks . Trade show . Hospitals . Schools
Category	Access Control - RFID . RFID Hanging Tags

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housing that encases the RFID chip and antenna.

RFID keyfobs are commonly used for access control systems, allowing users to gain entry to buildings, rooms, parking lots, or other secure areas by simply holding the fob near an RFID reader. When the fob is within proximity of the reader, the RFID chip communicates with the reader via radio waves, transmitting a unique identifier that grants access if authorized.

In addition to access control, RFID key fobs have various other applications, such as:

1. Vehicle Access: Some cars use RFID key fobs for keyless entry and ignition, allowing drivers to unlock and start their vehicles without inserting a traditional key.
2. Asset Tracking: RFID keyfobs can be used to track the movement of assets or equipment within a facility or organization, providing visibility and control over valuable items.
3. Time and Attendance: RFID fobs can be used for employee time and attendance tracking, allowing employees to clock in and out of work by scanning their fobs at designated readers.
4. Membership and Loyalty Programs: RFID keyfobs can be issued to members of clubs, gyms, or loyalty programs to access exclusive benefits or rewards.

Overall, RFID fobs offer a convenient and secure way to access controlled areas, track assets, and manage various applications in both commercial and residential settings.

What is the difference between an RFID

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card and an RFID tag key fob?

The primary difference between an RFID card and an RFID tag key fob lies in their form factor and intended use:

1. Form Factor: RFID cards typically resemble standard credit or ID cards, with a flat, rectangular shape and dimensions similar to that of a traditional card. They are designed to be carried in a wallet or purse and are commonly used for access control, time and attendance tracking, payment systems, and other applications where a card-like form factor is preferred.

2. In contrast, RFID tag key fobs are small, compact devices that are typically attached to a key ring for easy carrying. They are shaped like a key fob or keychain and are designed to be carried along with keys. RFID tag key fobs are commonly used for access control, vehicle entry, asset tracking, and other applications where portability and convenience are important.

3. Intended Use: While both RFID cards and RFID tag key fobs use RFID technology for wireless communication, they are often used in different applications based on their form factor and design. RFID cards are commonly used for access control systems in buildings, parking lots, and secure areas, as well as for time and attendance tracking in workplaces and educational institutions. They can also be used for payment systems, public transportation, and loyalty programs.

4. RFID tag key fobs, on the other hand, are often used for similar access control applications but offer the added convenience of being attached to a key

ring. They are commonly used for vehicle entry systems, where they can be used to unlock and start cars without inserting a traditional key. RFID tag key fobs are also used for asset tracking, membership programs, and other applications where a portable, hands-free solution is desired.

Overall, while RFID cards and RFID tag key fobs both use RFID technology for wireless communication, they differ in form factor and intended use, with each offering unique advantages for specific applications.

Specifications Data

Material	Polyester
Serialization	Barcode and human-readable equivalent is digitally printed – providing excellent clarity and easy scanning. Code 39 is the standard symbology with a range of 2.7 to 9.4 CPI (characters per inch). Optional linear and 2D symbologies available. Although this product is primarily marketed as a bar code product, we can produce it with human-readable numbers only or unserialized.
Label Copy	The label copy may include block type, stylized type, logos or other designs
Colors	Standard colors include black, red, yellow, green, dark blue, purple, orange or blue. Custom spot colors are also available at no additional charge. Due to contrast needed for the bar code scanner, all bar codes are black.
Standard Adhesive	Hanging tag
Frequency Range	UHF = 860-960 MHz; HF = 13.56 MHz
Sizes	2.75" x 1" with 5/16" ID hole

Chemical Testing

24-hour test of label structure and printed image as well as readability of inlay.
Chemical Test Data

Test Conditions	Result
Water	no effect
Glass cleaner	no effect
Bathroom cleaner	no effect
Alcohol	no effect
Acetone	Delaminated, inlay unreadable
NaOH	no effect
Nitric acid	no effect

Destructive Testing

Destructive Test Data

Temperature Testing

Temperature Test Data

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Read Range Testing

Tag has a read range of up to 10 ft using Motorola AR400 portal reader at 24 dbm

Read Range Test Data

Barcode Readibility Testing

Barcode Readability Test Data

Abrasion Testing

Abrasion Test Data

Label Adhesion Testing

Label Adhesion Test Data

Pull Testing

Pull Test Data