

# Understanding RFID Blocking

## Protecting Your Sensitive Information from Unauthorized Scanning

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# RFID



# RFID Blocking



# **Table of contents**

- 1. Introduction**
  - 2. How RFID Works**
  - 3. Where RFID Chips Are Used**
  - 4. Risks of RFID Technology**
  - 5. RFID Blocking Solutions**
  - 6. Best Practices for RFID Protection**
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# Introduction

## What is RFID?

- RFID stands for Radio-Frequency Identification.
- It uses radio waves to transfer data wirelessly between a tag and a reader.

## Common Uses of RFID:

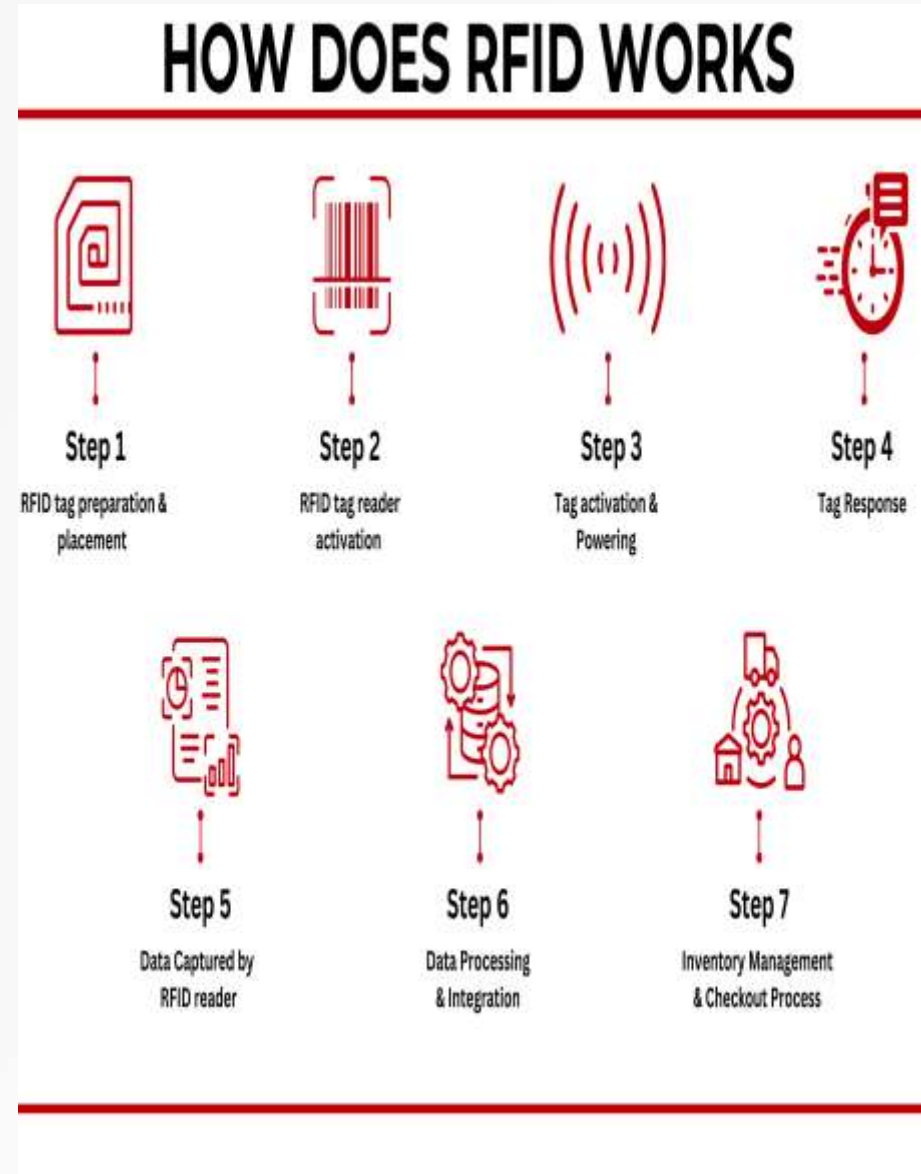
- Contactless payment cards
- E-passports
- Public transport smart cards
- Employee ID badges





# How RFID Works

- **Components of RFID:** RFID tag and reader interact through radio signals.
- **How Data Transfers:** Reader sends signals; tag responds with stored data.
- **Example:** Tap-and-pay credit card transactions.



# Where RFID Chips Are Used

**Examples:** Found in credit cards, passports, travel cards, and employee badges.



# Risks of RFID Technology

- **Unauthorized Scanning:** Hackers use scanners to steal sensitive information.
- **Data Skimming:** Extracting card data to make illegal transactions.
- **Real-World Cases:** RFID scams in crowded areas and airport hacking incidents





# RFID Blocking Solutions




# RFID Blocking Solutions

- **How It Works:** Blocks radio signals to prevent unauthorized access.
- **Popular Solutions:**
  - **RFID Wallets:** Built with blocking materials like metal layers.
  - **RFID Sleeves:** Protect individual cards effectively.
  - **DIY Methods:** Wrapping cards in aluminum foil.





# Best Practices for RFID Protection

- Use wallets or sleeves with RFID blocking.
  - Limit carrying RFID-enabled cards unnecessarily.
  - Regularly check bank and credit card statements.
  - Report unauthorized activities quickly.
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THANK  
YOU