

# NFC

- [NFC](#)

# NFC

The **ACS ACR1552U NFC USB-C Reader** supports a wide range of NFC cards and tags adhering to specific standards. To ensure compatibility, consider the following specifications and card types when choosing an NFC card:

## ### Supported NFC Standards:

- ISO 14443 (Type A and B)** - Commonly used for contactless cards such as MIFARE cards.
- ISO 18092 (NFC Peer-to-Peer)** - Compatible with NFC Forum-compliant devices and tags.
- FeliCa** - Used in regions like Japan for transport and payment systems.

## ### Recommended NFC Cards:

- MIFARE Classic/Ultralight/Plus**:
  - MIFARE Classic 1K/4K**: Suitable for access control, loyalty cards, and similar applications.
  - MIFARE Ultralight**: Great for low-cost, high-volume use cases like event tickets.
  - MIFARE Plus**: Enhanced security features compared to the Classic variant.
- NTAG Series (NTAG213/215/216)**:
  - NFC Forum Type 2 tags with wide compatibility.
  - Ideal for smart posters, business cards, and basic identification.
- FeliCa Cards**:
  - For applications requiring FeliCa compatibility (e.g., in Japan).
- DESFire EV1/EV2**:
  - Advanced security features for payment and secure access applications.
- Java Cards (ISO 7816 and ISO 14443)**:
  - Programmable cards for specific applications requiring cryptographic operations.

## ### Key Factors to Consider:

- Capacity**: Choose a card with sufficient memory for your application.
  - Small (e.g., NTAG213)**: Simple data storage, around 144 bytes.
  - Large (e.g., MIFARE DESFire)**: Up to several kilobytes for secure applications.
- Security Features**: For sensitive use cases, opt for cards like MIFARE DESFire or Java Cards.
- Frequency**: Ensure it operates at 13.56 MHz (standard for NFC).
- Environment**: Durable or waterproof cards for outdoor/industrial environments.

## ### Suppliers:

You can find compatible NFC cards from brands such as:

- NXP Semiconductors**: MIFARE and NTAG series.
- Sony**: FeliCa cards.
- Third-party vendors**: Ensure they comply with the supported standards.

Would you like specific recommendations or links to trusted suppliers?