

FeliCa Card

FeliCa Lite-S cards using Sony RC-S966 for applications that fit its 224-byte memory and MAC-based access controls. Confirm FeliCa support on your reader or phone app, along with data, key management, printing and quantity requirements. This listing is for Lite-S; these cards cannot become Suica, PASMO or Octopus credentials. Test samples with your application before ordering.

Specification

Item	Felica Lite S Card
Material	PVC, PET, PETG.
Chip	Felica Lite S
Frequency	13.56 mhz
Protocol	JIS X 6319-4 / ISO/IEC18092 / NFC FORUM TYPE 3 TAG
Color	White.
Size	CR80 (85.5*54mm) or customized.
Reading distance	2-10cm, depending on readers
Write Endurance	100000 times
Working Temperature	-40°C to 65°C
Data Retention Time	10 years
Printing Options	Offset Printing, Silk-screen printing, UV printing, digital printing, etc
Crafts Available	Number printing or laser engraving, Bar code, QR code, etc.

FeliCa and MIFARE compared

	FeliCa Lite-S	MIFARE Classic 1K	NTAG213
Air interface	ISO/IEC 18092 NFC-F (JIS X 6319-4)	ISO/IEC 14443A	ISO/IEC 14443A, NFC Forum Type 2
Data rate	212 or 424 kbit/s	106 kbit/s	106 kbit/s
User memory	224 bytes	1 KB, 752 bytes usable	144 bytes
Security	MAC authentication with a per-card key	Crypto-1, broken since 2008; usually used by UID only	32-bit password, no encryption
Main markets	Japan, Hong Kong and venues with FeliCa readers	Access control, membership and hotels worldwide	NFC tags and marketing worldwide
Read by phones	iPhone through Core NFC apps (iOS 13 and later); Android with NFC-F support	Android with an NXP NFC chip; not iPhone	Compatible NFC phones and NDEF applications; test target devices

Ordering

- Free standard samples; customised samples carry a setup fee.
- Standard lead time is 2–3 weeks.
- Quote-only pricing—send your quantity for a quotation.
- Printing, numbering and encoding options are available for the selected product and material.

Contact

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