



SONY® Felica™ Lite-S RFID Card



SKU:	RS-SFLS-CR80
Chip Type:	SONY® Felica™ Lite-S
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 18092, NFC Forum Type 3
User Memory:	224 bytes
Data Transfer:	212/424 kbit/s
Industry:	Access Control, Events, Transportation
Applications:	Event Ticket, Game Card, Loyalty Program, ID Cards, Public Transportation, NFC Handover

The SONY® Felica™ Lite-S CR80 RFID Card integrates a high-security NFC Forum Type 3 chip into a standardized CR80 PVC card, delivering exceptional performance for modern contactless applications. Fully compliant with ISO/IEC 18092 and Felica™ Lite-S standards, this card supports fast data transmission and advanced encryption mechanisms, making it ideal for secure transportation ticketing, digital wallets, and identity management systems. With its durable construction and compatibility with direct thermal or thermal transfer printers, the card ensures long-term reliability and effortless personalization.

Engineered for versatility and efficiency, the Felica™ Lite-S card operates within the 13.56 MHz frequency range and features enhanced anti-collision capability, allowing seamless interaction in high-traffic environments. Its integrated memory structure supports multiple applications simultaneously, while built-in security functions protect against unauthorized access and data manipulation. Whether used for access control, e-payment, or public transit, this card combines Sony's renowned chip technology with a universal form factor to offer a robust, scalable, and user-friendly smart card solution.

Physical Information	Material	Black Core PVC, White Core PVC, White Core PET (WEEE Directive✓), White Core ABS (WEEE Directive✓), Wooden (WEEE Directive✓)
	Card Size	86×54×0.88 mm (3.4"×2.2")
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 20%~90% RH
	Surface Treatment	Glossy, Matte or Frosted
	Personalized Printing (NA For Wooden Cards)	Thermal Transfer/Dye Sublimation
	Customization Options (NA For Wooden Cards)	Pre-Printing, Barcode Printing, Embossing, Holograms, Signature Panels, UV Printing, Hot Stamping, Punch Holes
	Care Tips	1. Avoid excessive bending 2. Keep away from water 3. Store in cool and dry place
Cleaning Tips		1. Use a soft, dry cloth 2. Avoid harsh chemicals or abrasive cleaners 3. Remove stains immediately

Technical Information	Operating Frequency	13.56 MHz
	Communication Protocol	ISO/IEC 18092, NFC Forum Type 3
	Chip Type	SONY® Felica™ Lite-S
	User Memory	224 bytes
	Communication Method	Passive Communication Mode
	Read/Write Access Control	Support
	Anti-Tearing Transaction Function	Support
	Data Integrity-Check Function	Support
Security Feature		3DES Mutual Authentication

Packaging Information	Packing Format	Single pieces, piece by piece
	Packing Quantity	200 pcs/case, G.W. : 1.3 kg
	Packing Method	1000 pcs or 2000 pcs/carton
	Carton Dimension	1000 pcs: 23×20×17 cm (G.W.: 7 KG); 2000 pcs: 48×23×14 cm (G.W.: 13 KG).

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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