RFID Combo Cards

CQR-SC-5000

Details

1. RFID Combo Cards feature both UHF and HF chips embedded in a single PVC card.
2. Designed for contactless operation, compatible with both frequency types.
3. UHF chip allows for long-range reading, ideal for tracking and inventory systems.
4. HF chip supports short-range secure authentication, suitable for access control or library usage.
5. A single card can operate across multiple systems, reducing the need for separate credentials.
6. Ideal for environments requiring both identification and access, such as libraries, campuses, and secure facilities.

Specifications

Card Physical Specifications :

Parameter	Technical Specs
Material	PVC / Composite PVC
Operating Temperature	-25°C to +70°C
Storage Temperature	-40°C to +85°C
Card Size	CR-80 (85.6 mm x 54 mm)
Durability	Minimum 10 years or 1,00,000 read/write cycles
Color	White
Surface Finish	Glossy, compatible with dye-sublimation printers
Card Thickness	0.84 mm ± 0.04 mm
Printing	Printable surface for thermal transfer or retransfer printing
Compliance	ISO/IEC 14443A
Packaging	100 Pieces

UHF Specifications :

Parameter	Technical Specs
Standard	EPC Class 1 Gen 2, ISO/IEC 18000-6C
Chip Type	Impinj Monza R6 / R6-P or equivalent
Frequency	860 – 960 MHz (Global)
Memory	EPC Memory: 96-bit to 128-bit, User Memory: 32-bit or more
Read Range	Up to 5-7 meters
Data Retention	Minimum 10 years
Write Range	Up to 2-3 meters
Card Thickness	0.84 mm ± 0.04 mm

HF Specifications :

Parameter	Technical Specs
Standard	ISO/IEC 14443A
Chip Type	NXP MIFARE Classic 1K / 4K or DESFire EV1/EV2 or equivalent
Frequency	13.56 MHz
Memory	1 KB / 4 KB EEPROM
Read Range	2 – 10 cm
Security	3-pass mutual authentication, Crypto-1 encryption (for MIFARE Classic)