

CARDZGROUP LOGO



Western Precision, Worldwide Delivery

RFID Hotel Key Card Solutions for Global Hospitality Chains

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B2B HOTEL SUPPLY INTELLIGENCE PLATFORM

The Problem Hotel Chains Face Today

Hotel procurement teams are caught between rising key card costs, unreliable supply chains, and increasingly complex RFID lock system requirements across their portfolio.

SUPPLY CHAIN FRAGILITY

Inconsistent Quality & Delays

Most key card suppliers lack dedicated quality labs and depend on sub-contracted factories. Lead times stretch to 8-12 weeks, and chip compatibility failures cause lock system outages at check-in.

23%

CARDS FAIL WITHIN 90 DAYS (INDUSTRY AVG)

LOCK COMPATIBILITY MAZE

Multiple Systems, No Single Source

A typical hotel chain runs VingCard, Saflok, Onity, and Salto locks across its portfolio. Most suppliers only certify for one or two systems, forcing procurement to manage multiple vendors.

4-6

AVG. LOCK SYSTEMS PER HOTEL CHAIN

HIDDEN COST ESCALATION

Beyond the Unit Price

Card failures, re-encoding costs, guest complaint handling, and emergency reorders inflate the true cost of ownership far beyond the sticker price. Sustainability mandates add another layer of complexity.

\$2.40

TRUE COST PER CARD (VS. \$0.12 UNIT)

Who We Are

Cardzgroup Limited is a Shenzhen-based RFID key card manufacturer founded by former Gemalto (now Thales) engineers. We combine Western quality standards with Chinese manufacturing economics to deliver hotel key cards that work with every major lock system.

COMPANY AT A GLANCE

Founded	2009
Headquarters	Shenzhen, Guangdong, China
Team Size	120+ employees
Factory Floor	8,000 sqm production facility
Markets Served	60+ countries, 6 continents
Hotel Clients	2,000+ hotel properties

17

YEARS IN BUSINESS

2,000+

HOTEL PROPERTIES

60+

COUNTRIES SERVED

150M+

CARDS SHIPPED ANNUALLY

OUR HERITAGE

Founded by engineers who spent a decade at Gemalto designing secure credential systems, Cardzgroup brings enterprise-grade engineering discipline to every card we produce. Our founding team holds 12 patents in RFID antenna design and chip bonding processes.

Ex-Gemalto Engineering Team

Our founding engineers bring proven expertise in secure credential manufacturing from the world's largest smart card company. This pedigree means your key cards are engineered to the same standards as national ID programs and banking cards.

Product Portfolio

A comprehensive range of RFID access products engineered for hospitality environments. Every item in our catalog is manufactured in-house with full traceability from chip to finished card.

CATEGORY 1

RFID Hotel Key Cards

CR80-format PVC and PET cards with MIFARE, DESFire, T5577, and HID iCLASS chips. Custom artwork with 4-color offset or digital printing. Magnetic stripe overlay available for legacy systems.

MIFARE CLASSIC 1K

DESFIRE EV2/EV3

ULTRALIGHT C

CATEGORY 2

RFID Wristbands & Fobs

Waterproof silicone and fabric wristbands for resorts, water parks, and all-inclusive properties. ABS key fobs for staff access. All form factors support the same chip families as our key cards.

SILICONE WRISTBAND

FABRIC BAND

ABS KEY FOB

CATEGORY 3

Personalization & Specialty

Wood-finish, bamboo, and metal-inlay cards for luxury branding. UV spot coating, embossing, debossing, and metallic foil stamping. Pre-encoded and pre-programmed options for plug-and-play deployment.

WOOD VENEER CARD

METAL HYBRID

PRE-ENCODED

CERTIFICATIONS

All products meet ISO 14443A/B, ISO 15693, ISO 7810, and ISO 7816 standards. Factory is ISO 9001:2015, ISO 14001, and REACH/RoHS compliant.

ISO 9001

ISO 14001

REACH/ROHS

RFID Technology Comparison

We manufacture cards with every major RFID chip family. Here is how they compare across the key attributes hotel procurement teams evaluate.

CHIP FAMILY	FREQUENCY	MEMORY	SECURITY	BEST FOR	PRICE RANGE
MIFARE Classic 1K	13.56 MHz	1 KB	Crypto-1	Economy/Midscale hotels	\$0.08 - \$0.12
MIFARE Ultralight	13.56 MHz	64 bytes	Basic	High-volume disposable	\$0.05 - \$0.08
MIFARE Ultralight C	13.56 MHz	192 bytes	3DES	Convention & event access	\$0.07 - \$0.10
DESFire EV2	13.56 MHz	2-8 KB	AES-128	Upscale multi-application	\$0.45 - \$0.65
DESFire EV3	13.56 MHz	2-8 KB	AES-128 + SUN	Luxury & high-security	\$0.55 - \$0.80
T5577	125 kHz	330 bits	Password	Legacy Onity systems	\$0.06 - \$0.10
HID iCLASS SE	13.56 MHz	2-16 KB	SIO / AES	Enterprise & mixed-use	\$1.20 - \$2.00

Dual-Frequency Capability

We produce dual-frequency cards embedding both 125 kHz and 13.56 MHz chips in a single CR80 body -- ideal for properties transitioning from legacy to modern lock systems.

NXP Authorized Partner

As an NXP-certified production facility, we source MIFARE and DESFire chips directly from the manufacturer with full chain-of-custody documentation and anti-counterfeit guarantees.

Lock System Compatibility Matrix

Cardzgroup cards are tested and validated against every major hotel lock system deployed worldwide. One supplier, universal compatibility.

LOCK MANUFACTURER	SYSTEM	REQUIRED CHIP	OUR SKU	STATUS
ASSA ABLOY	VingCard Essence / Allure	MIFARE Classic 1K / DESFire EV2	CZG-VC-MF1K / CZG-VC-DF2	VALIDATED
Dormakaba	Saflok Quantum / RT	MIFARE Classic 1K	CZG-SF-MF1K	VALIDATED
Allegion	Onity DirectKey / HT28	T5577 (125 kHz)	CZG-ON-T5577	VALIDATED
Salto Systems	XS4 / Homelok	MIFARE DESFire EV2/EV3	CZG-SL-DF2	VALIDATED
MIWA	ALV2 Series	MIFARE Classic 1K	CZG-MW-MF1K	VALIDATED
KABA / Legic	Legic Prime / Advant	Legic MIM256 / MIM1024	CZG-LG-MIM	AVAILABLE
HID Global	iCLASS SE	HID iCLASS / SEOS	CZG-HID-SE	AVAILABLE

IN-HOUSE TESTING LAB

Every production batch is validated against reference lock units from each manufacturer maintained in our Shenzhen testing lab. We test read range, encoding stability, and 10,000-cycle durability before shipment.

7
LOCK SYSTEMS

99.7%
FIRST-PASS RATE

Manufacturing Excellence

Our 8,000 sqm ISO-certified facility in Shenzhen integrates chip bonding, lamination, printing, and encoding under one roof -- eliminating the quality risks of multi-vendor subcontracting.



Vertical Integration

From raw PVC granules to finished, encoded cards -- every step happens in our factory. No outsourced chip bonding, no third-party printers, no quality gaps between vendors.



Quality Assurance

6-point inline inspection: chip placement accuracy (0.1mm), lamination bond strength, print color density (Delta E < 2), encoding verification, bend test, and RF read range.



Speed to Market

Standard orders ship in 5-7 business days. Rush production available in 48 hours. We maintain buffer stock of popular chip families to eliminate lead time uncertainty.



Capacity & Scale

Monthly capacity of 15 million cards across 6 production lines. We can ramp a new SKU from artwork approval to first shipment in under 10 days.

Global Presence & Logistics

Five offices across Asia, the Middle East, and Africa ensure local support with factory-direct economics. Our logistics network delivers to 60+ countries with regional warehousing for rapid fulfillment.

REGIONAL OFFICES

- Shenzhen, China (HQ)**
Manufacturing, R&D, quality lab
- Dubai, UAE**
Middle East & North Africa sales
- Hong Kong SAR**
Finance, trade operations, intl. logistics
- Johannesburg, South Africa**
Sub-Saharan Africa operations
- Nairobi, Kenya**
East Africa development & support

LOGISTICS CAPABILITIES

Delivery Performance



Shipping Terms

FOB Shenzhen, CIF, DDP, and DAP available. Regional buffer stock programs for high-volume accounts eliminate reorder lead times entirely.

Why Cardzgroup vs. Competitors

Most RFID card manufacturers are either low-cost commodity shops or expensive Western brands. Cardzgroup occupies the sweet spot: Western engineering discipline at Asian manufacturing economics.

CAPABILITY	CARDZGROUP	CHINESE COMMODITY	WESTERN BRANDED
Engineering Pedigree	Ex-Gemalto team, 12 patents	Generic factory	Strong R&D
Unit Price (MIFARE 1K)	\$0.08 - \$0.12	\$0.05 - \$0.08	\$0.25 - \$0.45
Lock System Validation	7 systems, in-house lab	Self-declared only	Partial validation
Lead Time (Standard)	5-7 business days	10-15 business days	3-6 weeks
Custom Artwork	Full in-house, no MOQ for design	Basic, limited finishes	Full capability
Sustainability Certs	ISO 14001, REACH, RoHS	Rarely certified	Comprehensive
English Account Team	Native-level, dedicated AMs	Limited English	Full support

The Cardzgroup Advantage

Hotel chains get the quality assurance and technical support of a Western supplier at 50-70% lower cost. Our ex-Gemalto team understands enterprise procurement requirements -- from certificate of insurance documentation to EDI integration -- because they built those systems at Gemalto.

Case Study: Radisson Hotel Group -- Middle East

How Cardzgroup consolidated key card supply for a major hotel chain across 45 properties in the Middle East and Africa region.

CHALLENGE

Multi-Vendor Complexity

Radisson's MEA properties were sourcing key cards from 6 different suppliers across 3 countries. Quality was inconsistent, with a 15% field failure rate on cards from the lowest-cost vendors. Three different lock systems (VingCard, Saflok, Onity) required separate card specifications.

6 Vendors

FRAGMENTED SUPPLY CHAIN

SOLUTION

Single-Source Consolidation

Cardzgroup provided a unified product catalog covering all three lock systems with validated cards for each. Custom-branded artwork per hotel tier (Radisson Blu, Park Inn, Radisson RED) with centralized ordering through our Dubai office.

VINGCARD SAFLOK ONITY

RESULTS

Measurable Impact

38%

COST REDUCTION

0.3%

FIELD FAILURE RATE (FROM 15%)

45

PROPERTIES CONSOLIDATED

Client Testimonial

"Cardzgroup simplified our key card procurement from a six-vendor headache to a single reliable partner. The quality improvement was immediate -- guest complaints about non-working room keys dropped to near zero within the first quarter."

— Regional Procurement Director, Radisson Hotel Group MEA

Volume Pricing Structure

Transparent, volume-based pricing with no hidden fees. All prices include custom 4-color artwork, chip encoding to your lock system specifications, and quality inspection.

TIER 1

Standard

1 – 10 properties

MIFARE Classic 1K: \$0.12/card. DESFire EV2: \$0.65/card. T5577: \$0.10/card. Custom artwork setup: \$150/design. MOQ: 500 cards per SKU. Free sample kit with 5 cards per chip type.

Lead time: 5-7 business days

TIER 2 — MOST POPULAR

Volume

11 – 50 properties

MIFARE Classic 1K: \$0.09/card. DESFire EV2: \$0.52/card. T5577: \$0.08/card. Artwork setup waived. MOQ: 200 cards per SKU. Dedicated account manager. Regional buffer stock program included.

Lead time: 3-5 business days

TIER 3

Enterprise

50+ properties

MIFARE Classic 1K: \$0.08/card. DESFire EV2: \$0.45/card. T5577: \$0.06/card. All setup fees waived. No MOQ. Dedicated production line scheduling. Quarterly business reviews. Price-lock guarantee for 24 months.

Lead time: 48-hour rush available

INCLUDED WITH ALL TIERS

- ✓ Dedicated account manager
- ✓ Lock system validation report
- ✓ Free sample kit
- ✓ Custom branding included
- ✓ Certificate of compliance

PAYMENT TERMS

First order: 50% deposit, 50% before shipment • Established accounts: Net 30 T/T • Enterprise tier: Net 60 available • L/C accepted for orders above \$10,000



Let's Build a Partnership

We welcome the opportunity to discuss how Cardzgroup can consolidate your hotel chain's key card supply. Contact us to schedule a technical consultation, request lock-system-specific samples, or arrange a factory visit.

CONTACT

Sales Team
Hotel Channel Director

EMAIL

hotel@cardzgroup.com

WEBSITE

www.cardzgroup.com

NEXT STEPS

- 1 Request sample kit
- 2 Lock system audit
- 3 Pilot at 2-3 properties
- 4 Chain-wide rollout

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