



RFID Cloud

Smarter Tracking. Real-Time
Visibility. Scalable Simplicity.



www.rfidcloud.io

STOCK-TAKE? NO PROBLEM.

With RFID Cloud, stock-take takes just 5 minutes per store — so you stay open, accurate, and on schedule.

 Real-time stock visibility

 Continuous operations

 Happy customers

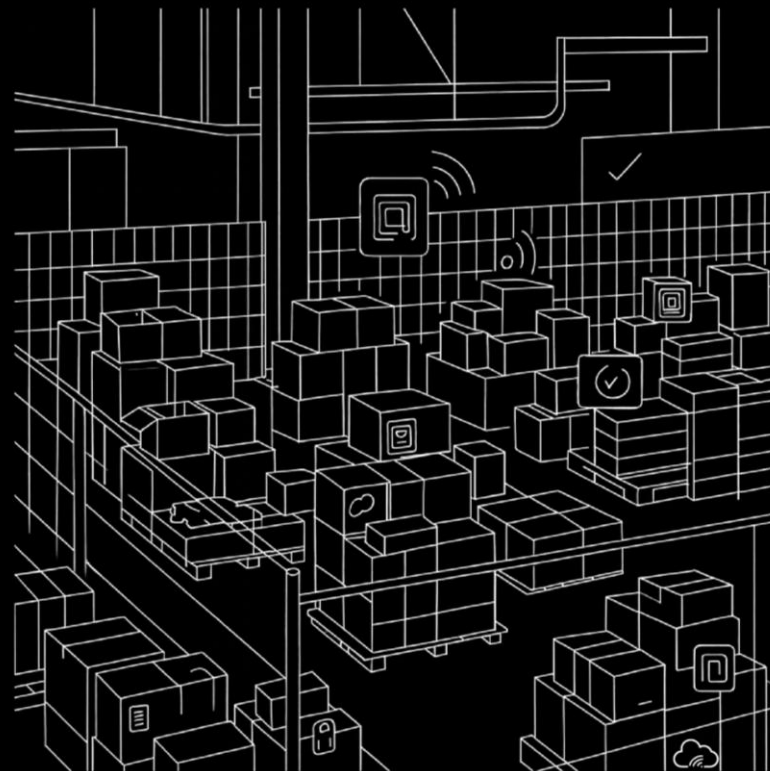
Business as usual. Even during stock take.



NO CUT OFF DATES.

NO DELIVERY DELAYS.

NO SHUTDOWNS.





EXECUTIVE SUMMARY

WHO

WHO WE ARE

RFID Cloud is a Malaysia-based technology company providing scalable, cloud-enabled RFID solutions for retailers, warehouses, and manufacturers

WHAT

WHAT WE OFFER

A modular RFID system combining handheld and desktop readers, RFID Cloud software, and monthly tag supply — deployed via a simple subscription model

WHY

WHY IT MATTERS

Designed for fast rollout, low barrier to entry, and measurable ROI — especially for SMEs and mid-market businesses

KEY OUTCOMES IN 90 DAYS

-  99.98% Stock accuracy
-  Stock count < 5 mins/store
-  Shrinkage < 0.3 %
-  80% reduction in audit time



ABOUT RFID CLOUD

RFID Cloud is a Malaysia-based technology company specializing in scalable, cloud-connected RFID and IoT solutions. We help businesses streamline operations through real-time tracking, automation, and data visibility — delivering efficiency across supply chains, retail environments, and production workflows. Our platform seamlessly integrates RFID hardware, tagging systems, and cloud software to reduce manual errors, enhance traceability, and improve decision-making.

We support a diverse range of industries, including:

- Retail automation
- Warehouse and logistics
- Manufacturing and production
- Asset and inventory tracking
- Document and file management
- Anti-counterfeiting and product authentication



Smart RFID solutions. Scaled for growing businesses.



HOW WE'RE DIFFERENT

RFID Cloud is built for growing businesses, not just big enterprises

RFID Platform + Devices + Tags	Based on subscription model, no big CapEx
Cloud dashboard	Fast rollout (2 – 4 weeks)
Handheld and desktop RFID hardware	Plug and play setup, no heavy customization
UHF RFID tagging for inventory and assets	Real-time reporting and anomaly alerts
Support & Training	Local presence, regional expansion ready

OUR TEAM & APPROACH

Focused on delivery. Built to scale.

RFID Cloud is powered by a cross-functional team of engineers, RFID hardware experts, project consultants, and customer success professionals. We partner with businesses to design, deploy, and support RFID implementations end-to-end.

Our approach combines technical expertise with a deep understanding of retail and warehouse operations. We emphasize speed, accuracy, and measurable ROI in every deployment.

To support growth, we are building a partner-ready framework including IT consultants, POS providers, and system integrators — to expand our reach while maintaining service quality.



TRUSTED TO TRACK WHAT MATTERS

Powering visibility and accuracy for growing businesses

Today, RFID Cloud tracks and manages assets valued at more than RM 3 billion across Malaysia—delivering consistent performance and supporting growing adoption. From retail inventory to manufacturing tools and warehouse goods, our platform powers real-time visibility, reduces shrinkage, and enables fast, accurate operations across a growing network of businesses.

RM 3 BIL
Managed asset value



WHO IS RFID BUILT FOR?

Built for Businesses that Want To...

-  Track inventory or assets in real-time — no more guessing
-  Eliminate manual stock counts and human error
-  Reduce shrinkage, loss, or misplaced items
-  Improve stock take speed and accuracy across locations
-  Scale operations without scaling complexity

Real World Applications

Retail	Fast, accurate stocktakes and replenishment
Warehousing	Order fulfillment and stock picking
Manufacturing	Track raw materials, WIP, or finished goods
Healthcare	Fixed assets monitoring, patients movement, consumables and supplies management
Office/Admin	File tracking and asset visibility
Operations	Tag tools, reusable packaging, or returnables



THE LIMITATIONS OF BARCODES

Barcodes have long served as the standard for inventory and asset tracking, but their limitations are becoming more apparent in modern operations. Because barcode scanning requires line-of-sight and must be done one item at a time, processes like stock take and shipment verification are slow and labor-intensive. Barcode systems are also prone to human error, such as missed scans or mislabeling, leading to inaccuracies in stock counts. Scaling barcode systems across multiple sites is complex, and because labels can wear off or be damaged easily, the long-term reliability of barcodes is limited.

Why Businesses are Moving Beyond Barcodes

THE RFID ADVANTAGE

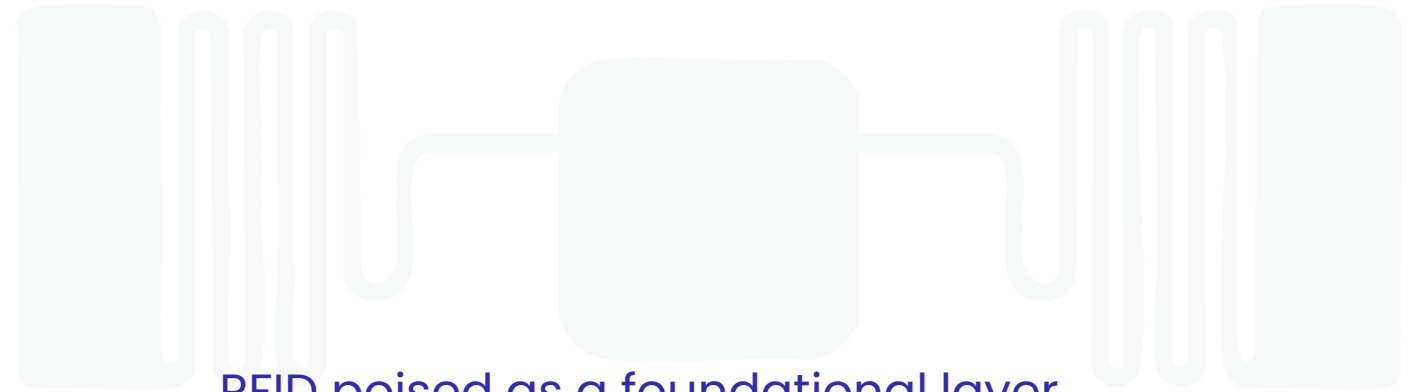
RFID offers a smarter, faster, and more scalable alternative. It enables bulk scanning of hundreds of items at once—without needing line-of-sight—which significantly reduces time spent on stock takes or audits. RFID systems deliver 99.98% accuracy, minimize human involvement, and provide real-time visibility across all locations. Beyond inventory management, RFID automates key workflows like goods-in verification and exception alerts. Durable and tamper-resistant, RFID tags are built to last and support end-to-end traceability for growing operations.



RFID Adoption Trends

GLOBAL RFID ADOPTION TRENDS

The RFID market is experiencing rapid growth across industries. According to Avery Dennison, over 75% of large retailers have deployed RFID or plan to within the next 24 months. Global shipments of UHF (RAIN) RFID tags are rising at ~20% annually and are projected to exceed 115 billion by 2028. The rise of IoT-connected assets—from 18.8 billion today to 40+ billion by 2030—further highlights RFID's growing role in the future of operations.



RFID poised as a foundational layer for smart supply chains

75%
of retailers
implementing RFID

115B
UHF tags expected
by 2028

40B+
IoT assets
projected by 2030



FUTURE-PROOFING WITH RFID

RFID: Beyond Accuracy

Enabling the Future

RFID has evolved from a stock accuracy tool into a foundation for modern automation, omnichannel operations, and real-time analytics. Businesses are now deploying RFID not just for inventory but to prepare for what's next—AI-driven workflows, compliance tracking, and predictive fulfillment.

OMNICHANNEL FULFILLMENT

Item-level visibility supports ship-from-store and accurate e-commerce

AI AND AUTOMATION READINESS

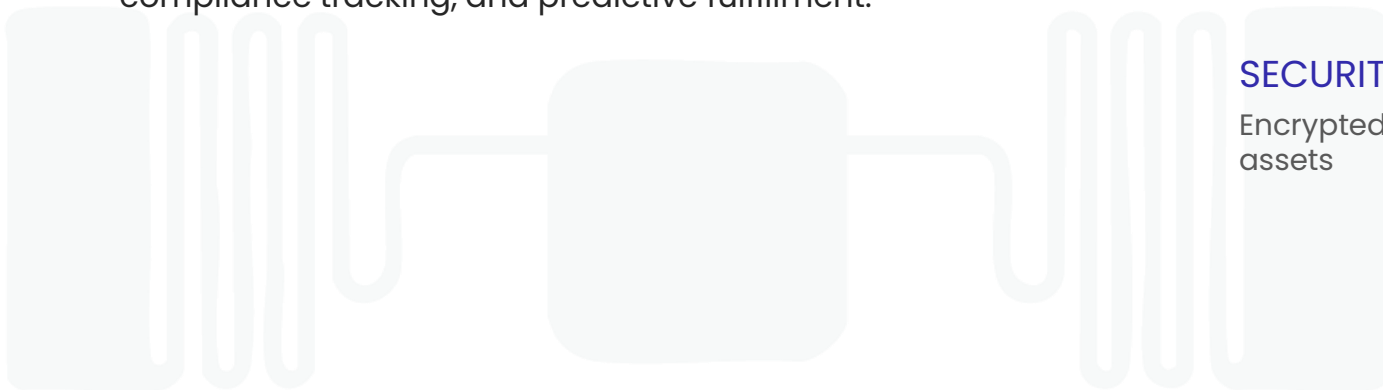
RFID bridges the digital-physical divide, enabling robotics and analytics

COMPLIANCE AND TRACEABILITY

RFID supports food safety, healthcare tracking, and product recalls

SECURITY AND SHRINKAGE CONTROL

Encrypted tags and real-time movement alerts protect assets





REAL-WORLD RFID RESULTS

Use cases and performance across key industries

INDUSTRY	USE CASES	REAL IMPACT
Retail	100% item-level tagging (e.g. Lululemon, Decathlon)	99.98% inventory accuracy, 5% sales increase
Healthcare	Patient & equipment tracking (e.g. Singapore hospitals)	Real-time traceability, improved safety
Logistics	Shipment accuracy and warehouse automation	90% faster receiving, 80% less picking errors



RFID SUCCESS IN RETAIL OPERATIONS

A retailer, began deploying RFID chips across all apparel in 2019—rolling out to over 2,400 stores by 2020. Their goal: transition from manual stock counts and barcode scanning to rapid bulk inventory tracking and automated self-checkout to improve accuracy, speed, and customer satisfaction.

CASE STUDY: RETAIL

RFID-DRIVEN TRANSFORMATION

INVENTORY MANAGEMENT

Real-time visibility across manufacturing, warehousing, and stores, enabling faster replenishment and significantly reducing stockouts

SELF-CHECKOUT

RFID kiosks allow customers to drop entire baskets for instant billing—checkout time slashed by ~95%.

STRETEGIC GROWTH

RFID enabled the retailer's expansion with standardized inventory control

↑ 40%
Customer
throughput

4%
Sales uplift

97%
Inventory
accuracy

↓ 95%
Checkout
time

↓ 15%
Stock-outs

↓ 30%
Warehouse
receiving errors

↓ 20%
Labour costs



CASE STUDY: HEALTHCARE

RFID-DRIVEN TRANSFORMATION

HOSPITAL GAINS FULL TRACEABILITY WITH RFID

A hospital implemented RFID to track thousands of medical devices and linen items across departments. The initiative aimed to reduce lost equipment, improve hygiene compliance, and increase operational efficiency. RFID-enabled cabinets automatically logged item usage and replenishment needs, streamlining inventory and improving patient care quality.

EQUIPMENT TRACKING

Real-time location of infusion pumps, wheelchairs, and monitors – improving turnaround and minimizing losses

LINEN MANAGEMENT

RFID-tagged uniforms and bed linen enabled faster laundry cycles and reduced replacement costs

PATIENT SAFETY

Traceability of sterilized tools ensured compliance with hygiene protocols

↑ 20%

Asset utilization efficiency

↑ 15%

Staff productivity

↑ 30%

Patient satisfaction scores

↓ 90%

Time spent locating assets

↓ 80%

Manual tracking errors

↓ 50%

Linen loss & shrinkage

↓ 25%

Patient wait time



RFID IN MANUFACTURING & SUPPLY CHAIN

A clothes manufacturing group adopted RFID to streamline its manufacturing and supply chain operations. By tagging items at the point of production, they gained real-time visibility from factory to store. This allowed for dynamic replenishment, faster order processing, and reduced inventory holding. The system also supported their fast-fashion model by enabling agile production and minimizing unsold stock.

CASE STUDY: MANUFACTURING & DISTRIBUTING

RFID-DRIVEN TRANSFORMATION

PRODUCTION VISIBILITY

RFID-tagged items tracked from sewing lines to outbound logistics, enabling proactive supply planning

DISTRIBUTION EFFICIENCY

Automated receiving and sorting at DCs shortened delivery lead times to stores

INVENTORY CONTROL

Unified data across manufacturing and retail systems reduced stockouts and excess inventory

↑ 25%
Replenishment
speed

↑ 20%
Production
planning accuracy

↑ 15%
On time store
delivery

↑ 10%
Sell-through rate

↓ 30%
Order
processing time

↓ 40%
Stock discrepancies
at DC

↓ 60%
Online order
fulfillment speed



THE RFID CLOUD SYSTEM

Simple, scalable, and built to integrate

01

Core Components

- RFID cloud platform (WMS & dashboard)
- Handheld RFID readers
- Desktop RFID readers
- RFID tags
- RFID printer

02

Services Included

- Site assessment & system design
- Hardware deployment & setup
- Software onboarding & cloud hosting
- Training & technical support
- Tag supply

03

Integration & Intelligence

- WMS
- Real-time dashboard
- Usage reporting & analytics
- Smart alerts for abnormalities
- Fast rollout and scalable setup



IMPLEMENTATION SCENARIOS

Applications Across Logistics, Retail, Anti-Counterfeiting, and Return Validation

 RFID TAG PRODUCTION	 FACTORY PACKING & DISPATCH	 WAREHOUSE RECEIVING	 WAREHOUSE DISPATCH	 IN-STORE APPLICATION	 STORE POS SYSTEM
i. Tag order timestamp ii. Order and shipment information iii. Tag production time iv. Shipment dispatch time	i. Product manufacturing time ii. Item-level production details iii. Supplier name	i. Inbound time (purchase or transfer) ii. Return-to-warehouse time iii. Item-level details of purchase/transfer/returns iv. Inspection plan and capacity forecast	i. Dispatch time ii. Item-level shipping details iii. Delivery address	i. Receipt time and item-level details ii. Inventory audit records (full, blind, task-based, spot check) iii. Item-level transfer records iv. Secondary scans and recovery tracking v. Store dispatch and transfer logs	i. Sales timestamp ii. Sales transaction details

Seamless Integration of RFID Across Supply Chain and Retail Touchpoints



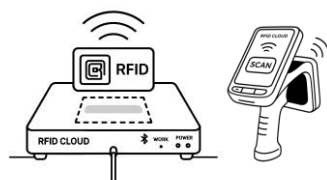
RFID BUSINESS WORKFLOW

End-to-End RFID Flow for Smarter Operations and Inventory Accuracy



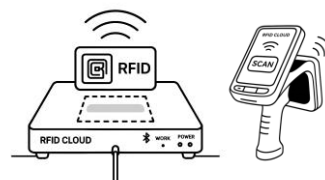
RFID TAG ORDERING

- Order RFID tags
- Print and encode chips
- Distribute to factories



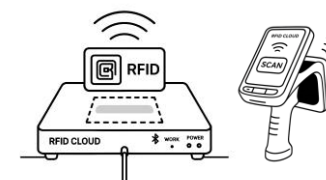
FACTORY OPERATIONS

- Tag attachment & QC
- Product packing
- Outbound dispatch



WAREHOUSE OPERATIONS

- Inbound verification
- Inventory count
- E-commerce fulfillment



IN-STORE OPERATIONS

- Goods receiving & sales
- Smart shelf
- Returns & anti-theft

Automate, Track, and Optimize with RFID Cloud at Every Stage of Your Workflow



RFID DEVICES AND WORKFLOW

Devices that power each stage of your RFID journey — from tagging to tracking

FUNCTION	DEVICE TYPE	TYPICAL USE CASE
Mobile Capture	Handheld reader	Scan goods-in, performs stock count in stores and stock-out
Stationary Capture	Desktop reader / Overhead RFID Reader / XXL Desktop Reader / RFID Gates	Verifies goods that are passing through
Encode & Print	Industrial RFID Printer	Mass prints & encodes RFID sticker labels
Cloud Platform	RFID Cloud System	Central dashboard for tracking, alerts and analytics
Consumables	RFID Sticker Labels	Single-use tagging applied to existing hangtags/items



HOW RFID CLOUD COMPARES

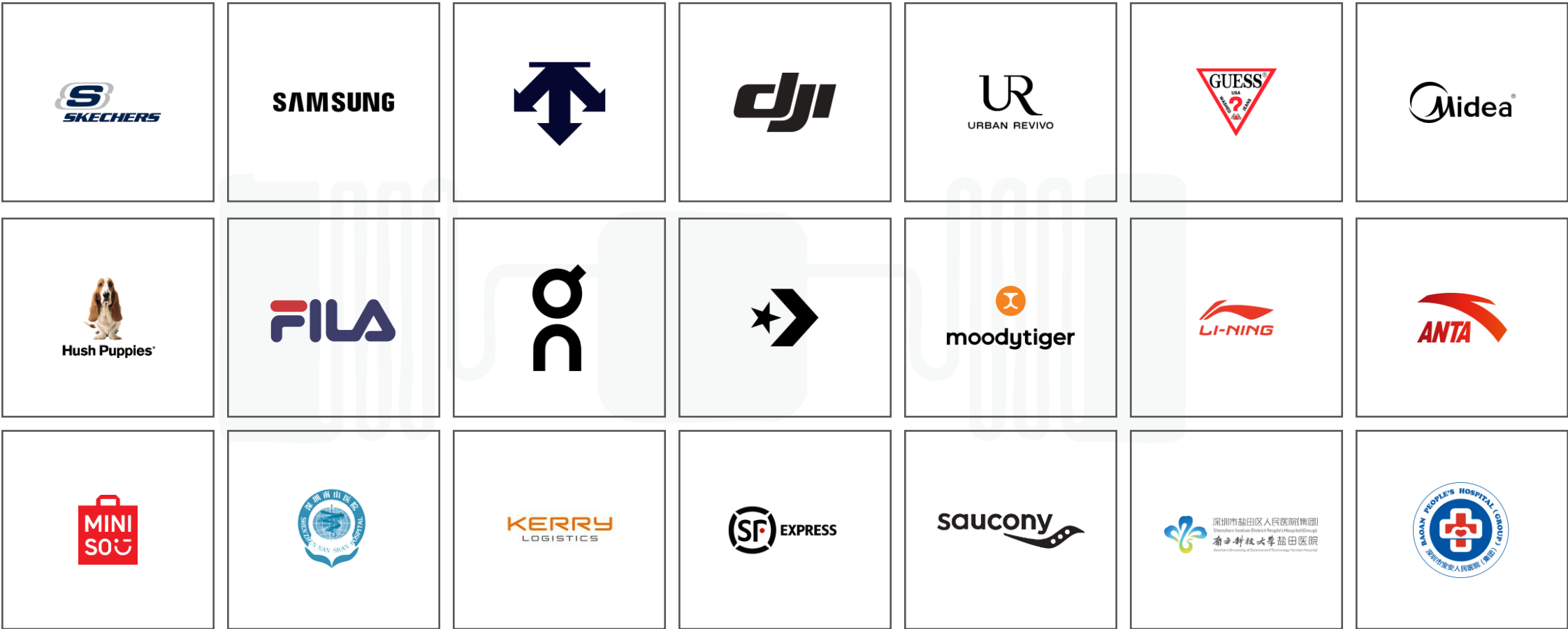
Why more businesses are switching to RFID cloud?

FEATURE	RFID CLOUD	TRADITIONAL RFID VENDORS	BARCODES
Pricing Model	Subscription based + Low upfront CapEx	Subscription based + High upfront CapEx	Low upfront CapEx
Tag Accuracy	99.98%	99.98%	80% (<i>manual input, human error prone</i>)
Stock Take Time	<5 minutes	< 5 minutes	Several hours (<i>store has to be closed for manual scan</i>)
Setup Time	2 – 4 weeks	2 – 4 months	Immediate
Line-of-sight	Not required	Not required	Required
Bulk Scanning	Yes	Yes	No (1-to-1 scanning)
Automation Level	High – dashboard, alerts, real time insights	Medium – partial dashboards	None – manual entry only
Scalability	Flexible, grows by device or outlet	Rigid, high commitment	Limited (not suited for multi-site ops)



BRANDS WE WORK WITH

Our RFID Technology in Action Across Major Labels



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Let's talk about scaling smarter with RFID



Thank you

We look forward to helping
you scale with RFID