

RFID Warehouse Asset Management System

- Real-time location tracking of assets and inventory
- Quick counts via handheld or fixed RFID readers
- Automated alerts for unauthorized movements
- Integration with WMS and ERP systems
- Maintenance scheduling and depreciation tracking



Feature	Details
RFID Tagging	Assets, tools, bins, pallets, racks, equipment
Zone-Level Tracking	Fixed readers at gates, shelves, and zones
Mobile Terminals	For audits, inventory verification, location updates
Integration	REST APIs to connect with WMS/ERP
Audit & Inventory	Physical verification and full cycle count history
Access Control	Alerts for unauthorized movement
Maintenance	Schedule and log equipment maintenance
Depreciation	Automated tracking for machinery/devices
Label Printing	RFID/barcode label printing for assets and pallets



Recommended RFID Tags for Warehouse

- **Components:** Web application, database server, mobile terminal, barcode/RFID printer
- **Integration:** REST APIs for third-party systems
- **Mobile App:** State-of-the-art terminal application for audits and asset verification
- **Connectivity:** Supports Wi-Fi, USB, LAN, and GSM (via mobile device)

Tag Type	Use Case	Specs
Metal Mount Tags	Racks, machinery, forklifts	ISO 18000-6C, 840–960 MHz, adhesive/bolt-on
Long-Range Tags	Pallets, large assets	EPC Gen2v2, 10–12m read range
Heat-Resistant Tags	High-temp zones/equipment	FR4, up to 928 MHz, Monza4QT chipset
Flexible Tags	Curved/uneven surfaces	Stable read/write, ISO-compliant