

RFID SYSTEMS & SOLUTIONS

DATA SHEET

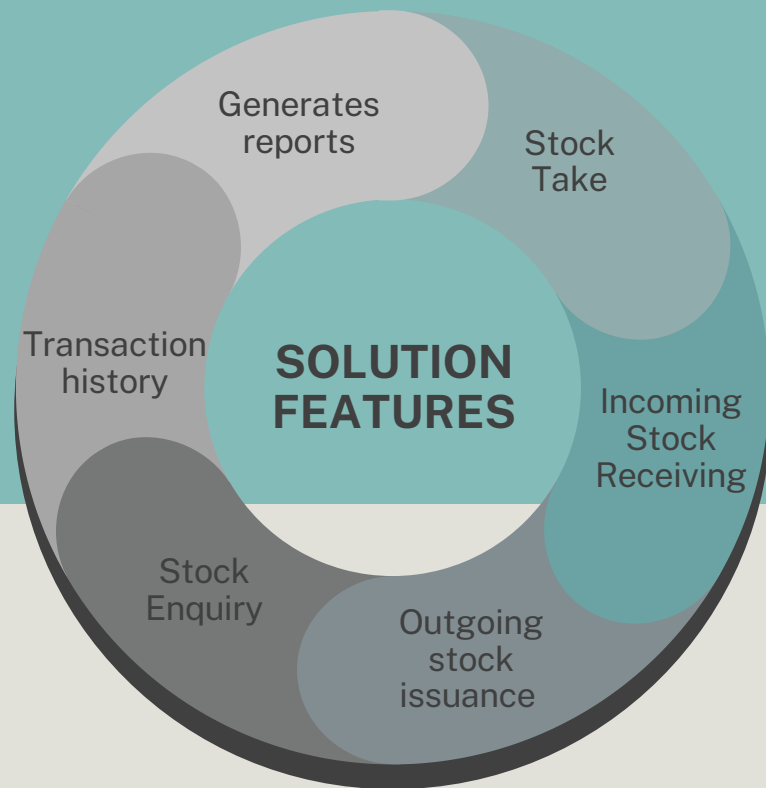
 TimeTech

www.time-tech.co



TIMETECH RFID SYSTEMS OVERVIEW

TimeTech RFID Systems provide smart, real-time solutions for tracking assets, documents, and inventory with precision and automation. Designed for modern enterprise needs, our RFID platform enhances visibility, reduces manual effort, and supports seamless operations across departments and locations.



Key System Components

- RFID Software Dashboard – Centralized platform for asset management, coding, reporting, and auditing
- RFID Tags & Labels – Durable, tamper-evident, and environment-specific tagging options
- RFID Fixed Antennas – Real-time monitoring of tagged items at key control points
- Barcode/RFID Printers – Custom label generation with multiple formats and sizes
- Mobile Terminals & Apps – Field-ready tools for scanning and updating assets on the go

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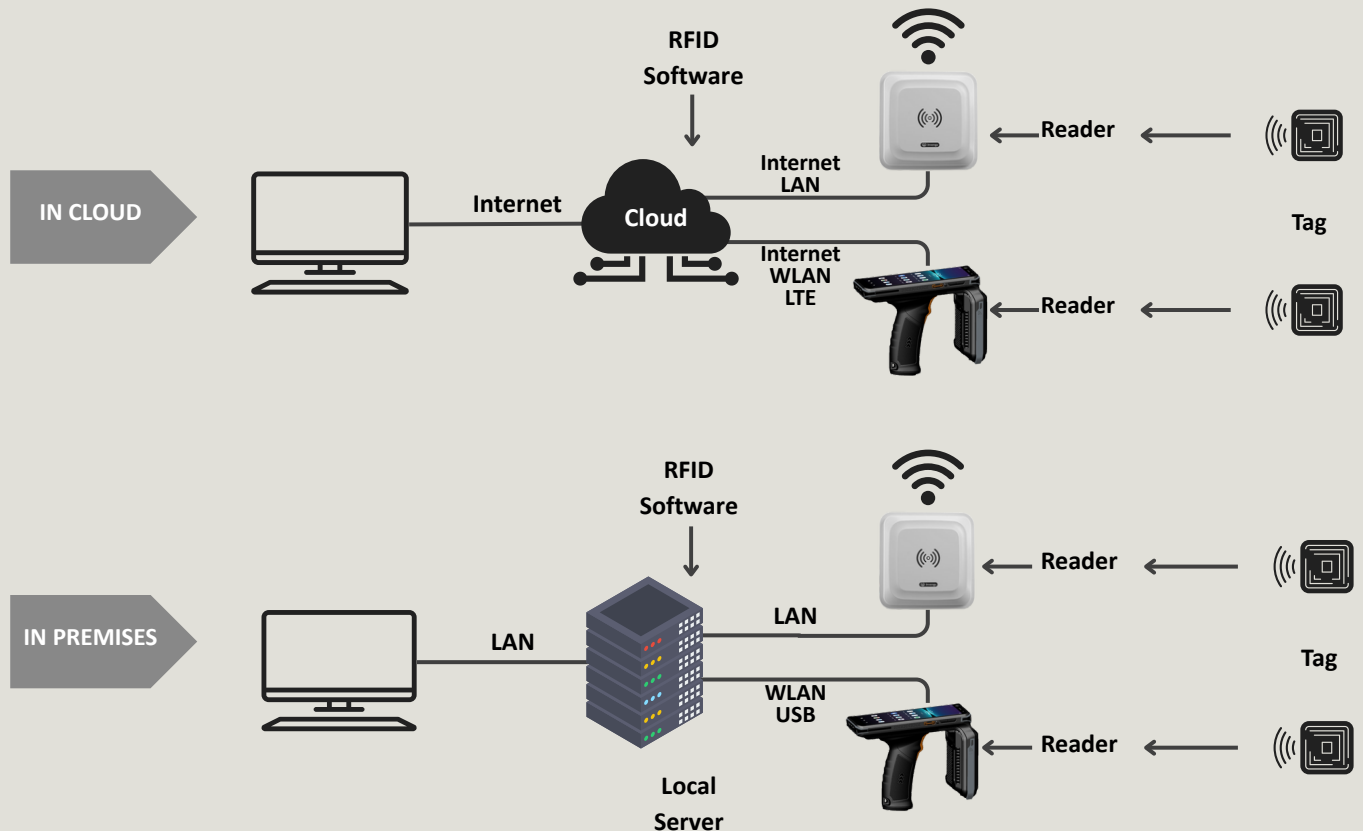
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RFID SOLUTIONS



CLOUD-BASED RFID SYSTEM

- Software and data hosted in the cloud
- Readers and handheld terminals communicate over the internet
- Ideal for multi-site access and centralized control
- Reduces infrastructure costs and simplifies maintenance

ON-PREMISES RFID SYSTEM

- Software runs on a local server within the facility
- LAN-based connection to fixed and mobile RFID readers
- Offers higher control over data and network security
- Best suited for closed or secure environments

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RFID USE CASES

- Asset Tracking: Monitor and locate equipment, tools, and vehicles in real time
- Inventory Management: Automate stock counts and reduce manual errors
- Access Control: Control entry to restricted areas using RFID badges or cards
- Supply Chain Management: Track goods from origin to delivery for full visibility
- Document Tracking: Secure and trace sensitive files in offices or archives
- Retail & Point of Sale: Speed up checkout and reduce theft with item-level tracking
- Healthcare: Tag medical equipment, track patient records, and manage medication
- Library Management: Automate book check-in/out and inventory
- Manufacturing: Monitor parts through production lines and ensure quality compliance
- Event Management: Use RFID wristbands or badges for attendee check-in and access
- Parking & Vehicle ID: Enable contactless vehicle entry and toll collection
- Laundry & Textile Tracking: Manage linens and uniforms in hotels or hospitals
- Gold & Jewelry Tracking: Monitor inventory of high-value items like gold and ornaments in real time for security and audit purposes

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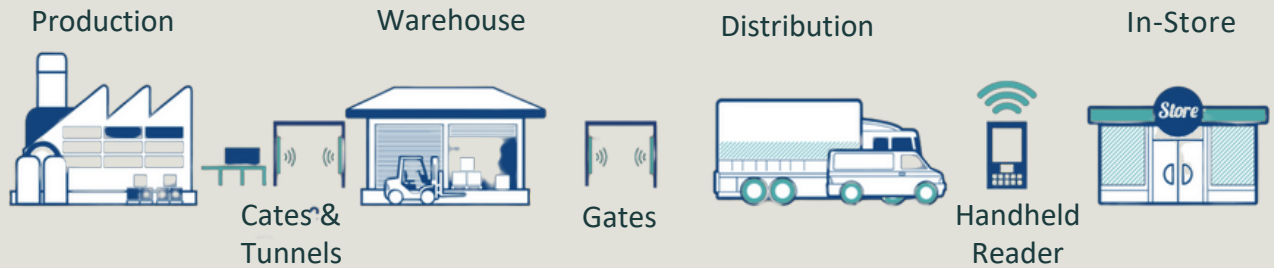
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RFID GATE READERS & ANTENNA FEATURES

- Detects RFID tags automatically as they pass through
- Ideal for entry/exit points in secure areas
- Enables hands-free asset and personnel tracking
- Supports real-time data transmission to server/software
- Enhances security and operational efficiency
- Can be used in warehouses, offices, hospitals, and retail stores



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PORTABLE TERMINALS & APPS

This rugged smart handheld reader is designed for high-performance data collection in demanding environments such as logistics, warehousing, manufacturing, and field operations. With a powerful processor, long battery life, and advanced scanning capabilities, it enables seamless RFID and barcode data capture. The device runs on Android OS, offers dual SIM connectivity, and supports both 4G and Wi-Fi networks for real-time communication. Its durable construction and ergonomic design make it ideal for mobile workers who need speed, reliability, and versatility in one tool.

KEY SPECIFICATIONS:

- Operating System: Android 11.0
- Processor: Octa-core 2.0 GHz CPU with 4GB RAM / 64GB ROM
- Display: 5.5" Full HD touchscreen, usable with gloves or wet fingers
- Battery: 5000mAh removable battery with 18W fast charging
- Scanning Capabilities: Integrated RFID and barcode scanner (1D/2D, damaged codes supported)
- Durability: IP68 waterproof/dustproof, 1.5m drop resistance
- Connectivity: 4G LTE, Dual SIM, Wi-Fi (2.4G/5G), Bluetooth 5.0, GPS/Beidou/Glonass
- Camera: 13MP rear (AF) + 5MP front
- Extra Features: NFC, optional fingerprint sensor, customizable side buttons

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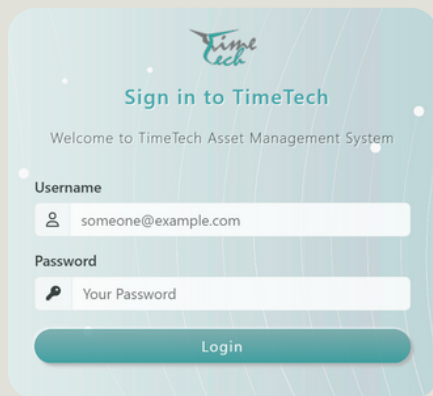
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Year	Accumulated	Book Value
2024	4880.000	5120
2023	3600.000	6400
2022	2000.000	8000

SOFTWARE DASHBOARD

The central control panel of the RFID system, the dashboard allows users to monitor, manage, and update assets, documents, and warehouse inventories in real time. It provides tools for categorization, asset coding, depreciation, audit trails, and reporting—all accessible through an intuitive interface.

KEY FEATURES:

- Asset division, department, and location management
- Manual and auto asset code generation
- Purchase, insurance, and project data tracking
- Depreciation setup and calculations
- Asset transfer, disposal, sale, and maintenance
- Bulk operations and asset image support
- Custom fields and user-defined labels
- Real-time asset auditing and status updates

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RFID FIXED ANTENNAS

RFID fixed antennas are designed for continuous, hands-free scanning of tagged items in defined zones. Typically installed at gates, doorways, conveyor belts, or warehouse lanes, these antennas enable real-time tracking of assets without user intervention. Built for industrial environments, they provide reliable performance, wide read range, and seamless integration with RFID readers and software systems.

SPECIFICATIONS :

- Asset division, department, and location management
- Manual and auto asset code generation
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- Depreciation setup and calculations
- Asset transfer, disposal, sale, and maintenance
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RFID/BARCODE PRINTERS

These printers are used to generate high-quality RFID labels and barcode tags in various sizes and formats, customized for specific asset types or inventory batches.

SPECIFICATIONS :

- Print Method: Direct Thermal / Thermal Transfer
- Resolution: 203dpi / 300dpi
- Max Print Width: 104mm
- Max Print Speed: 120mm/s (203dpi)
- RFID: UHF 860–960MHz, EPC Gen 2 / ISO 18000-6C
- Barcode Support: 1D & 2D (QR, PDF417, DataMatrix, etc.)
- Interfaces: USB, Serial, Parallel, Ethernet (Bluetooth/WiFi optional)
- Memory: 64MB RAM, 32MB Flash
- Media Width: 20–114mm
- Ribbon Size: Max 110mm (W), 300mm (L)
- Functions: Paper/ribbon detection, auto label ID, dead pixel check
- Environment: 0–40°C operating, 10–90% RH
- Size/Weight: 223×285×168.5mm, 3.0kg

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RFID TAGS & LABELS

The system supports a wide range of RFID tags and labels tailored to specific environments and asset types. These include durable options for industrial use and tamper-evident labels for sensitive items.

TAG TYPES TABLE:

- Polyester Void Labels: Tamper-evident; ideal for high-security tagging
- Destructive Polyethylene: Breaks upon removal; prevents reuse
- Retro Reflective Labels: High visibility in low-light environments
- Polyester & Paper Labels: General-purpose labeling for most assets
- Metal Tags: Rugged and long-lasting; suitable for machinery and tools

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