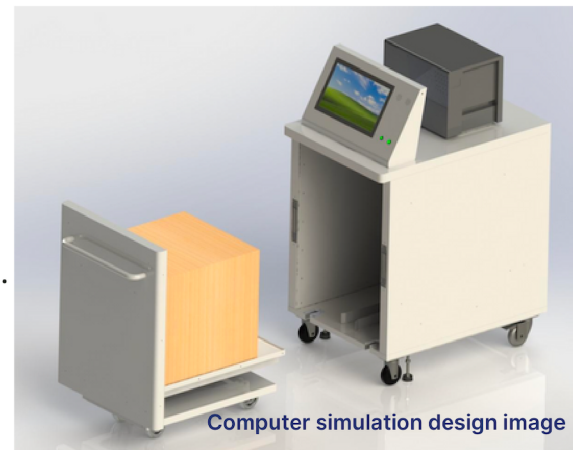


NI-FM05-KLW RFID inventory workstation

• Introduction

The RFID cart inventory workstation is a device that supports the EPC C1 G2 (ISO18000-6C) protocol and utilizes RFID technology for automatic identification. It is designed to interface with a backend database and enables batch scanning, intelligent reception, and location reminders for archive files. It consists of a human-computer interaction computer, RFID reader/writer system, specialized RF antenna, login authentication, peripheral sensing devices, and more.

The product features a fully enclosed design to effectively address issues of misreading and missed readings during inventory taking. It can store approximately 300+ archive boxes or files, and includes a 15.6-inch touchscreen for user interaction, providing a simple and efficient interface for quickly scanning archive information. Optional login methods include facial recognition, IC card, and account password, ensuring secure, intelligent, and efficient management of archive files.



• Key Feature

- Real-time inventory: Utilizing RFID technology, the workstation enables 24/7 online inventory of archived files within the cabinet.
- Rapid scanning: Equipped with specially designed RFID antennas, it can complete the inventory of 300 file documents within 5 seconds.
- Powerful management capabilities: It facilitates various processes of archive management, from batch registration and storage to checkout and transfer.
- 15.6-inch touchscreen display: The user-friendly interface allows real-time monitoring of archive status and provides functions for information querying and statistics.
- Authorization and approval management: Users can be assigned and managed with different levels of permissions. It supports multi-unit data management and independent archive management for subordinate departments.
- Convenient to use: Designed with bottom wheels for easy mobility.
- Large storage capacity: Depending on the thickness of the archives (0.1-5cm), it can accommodate over 300 archive boxes or files.

• Technical Parameters

Parameters	Specification
Operating Frequency	902MHz~928MHz
Compliance Standards	ISO 18000-6C, EPC Class1 Gen2
Output Power	Adjustable from 8dBm to 33dBm
Communication Interfaces	RJ45, WiFi (optional), 4G (optional)
Power Consumption	Approximately 60W
External Power Supply	220V
Operating System	Supports Windows 10
Inventory Time	<5 seconds
Inventory Modes	Automatic inventory (optional)
Storage Capacity	300+
Location Reminder	Supported
Electronic Lock Control	Magnetic suction (with feedback)
Voice Prompt	Standard feature
CPU Processor	Intel Core i5
Frequency	2.0 GHz
Display Interfaces	VGA, HDMI

Parameters	Specification
Screen Size	15.6-inch capacitive touchscreen, aspect ratio 16:9
Resolution	1920x1080
Memory	4GB
Hard Drive	64GB
USB	Two data storage ports, one for program debugging
Communication Interface	TCP/IP
Battery Power	Optional; standard configuration does not support battery power
External Dimensions	916mm x 655mm x 1322mm (Depth x Width x Height)
Maximum Box Size	600mm x 500mm x 600mm (Depth x Width x Height)
Weight	Approximately 100kg
Material	Metal
Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C
Operating Humidity	5% to 95% RH, non-condensing

• More about RFID of U.R. LABEL & Printing Co., Ltd.

Our advanced RFID production and processing capabilities enable us to offer our clients a comprehensive one-stop solution for all their RFID label needs. From basic label production to RFID integration, lamination and encoding, UR Label is fully equipped to deliver superior results with efficiency and expertise.

