01 / RFID PRINT UPGRADE BOX

Label Magic Box™

Connect existing printing software to RFID printing: Label Magic Box receives print jobs, links products and EPC codes, and passes the job to an RFID printer for label output.

Printing integration and compatibility validation



Xinhuotong brand concept illustration · Label Magic Box™

Start with familiar printing software and bring RFID identity to your labels.

For the label, ERP and other printing software customers already use, Label Magic Box joins the existing print workflow. It processes jobs using templates and rules, links product data to item-level EPCs, then sends them to an RFID printer for printed output and chip encoding. Validate integration with the original sample label, driver output and target printer first to reduce label redesign and software migration work.

01

Keep your existing printing software

Initiate printing from your existing software as usual. Adapt to its actual output and label layout without requiring customers to replace their label design tools first.

02

Link printed content to RFID identity

Generate item-level EPCs using the confirmed product mapping and encoding rules, linking label content, chip identity and product data.

03

Build a foundation for the next RFID workflow

Labels continue through Desktop Pad capture, packing, receiving, inventory and returns workflows, with full EPCs identifying individual items throughout.

WORKFLOW & DELIVERY

Workflow and delivery conditions

01

Prepare your existing software and a sample label

Provide your current software, driver or print language, a redacted sample label and product fields.

02

Integrate Label Magic Box

Adapt job input and output to the actual PC and RFID printer combination.

03

Link products to item-level EPCs

Confirm the template, product mapping and encoding rules, then process each label's content.

04

Print and check readback

Output through an RFID printer, then check the printed content and externally read back the EPC. Approve the sample label before batch work.

Workflow outputs Label-content-to-EPC linkage / Item identity and product linkage / Print jobs and verification records

Input source	Use sample labels to confirm the actual driver, print language, layout and data source for the existing software's output.
Printing equipment	Requires an RFID printer, supported firmware and compatible writable RFID labels. Ordinary printers do not gain chip-encoding capabilities through this product.
Identity rules	Retain full EPCs, and separately confirm product mapping, code length, duplicate handling and reprint rules.
Delivery approach	Start compatibility work with one software package, one device and one sample label, then confirm the integration scope and on-site acceptance criteria.

Current capabilities and validation scope

The product is designed for integration requests involving any existing printing software. Each output format, driver, printer and media combination requires compatibility validation; success with one combination does not establish acceptance for every model. Sending a job does not confirm that a label has been printed or its chip encoded. Verify physical output and an external readback separately.

Discuss your goods-handling workflow

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Hardware, software, interfaces and services are confirmed against the actual configuration.