03 / SMART PACKING STATION

Xinhuotong Packing Station

Scan individual item codes or read EPCs, link them to a box code, print the box label and pass the item list to the receiver.

Core packing workflow under restructuring



Xinhuotong OEM printing terminal + separate RFID counting pad · Product illustration

Link physical items to the box contents, from each item identifier to the outer label.

Organise opening a box, capture, deduplication, sealing, printing and lookup. A complete unique code or EPC identifies each item; the decoded product code groups items, and the box code links the complete JSON manifest. Each supplier or product line uses one fixed encoding scheme.

01

Item-level capture and deduplication

Retain the complete original code. Repeated reads of the same code count as one item.

02

Simple box labels and reprints

A fixed label layout carries the box code, lookup code and quantity summary. Reprints use the original box record.

03

Cloud manifests and box lookup

After the item-level JSON manifest is uploaded, the authorised receiver scans the box code to retrieve it and checks the physical goods using RFID PDA tag reading. Manifest service and APP integration require joint testing and acceptance.

WORKFLOW & DELIVERY

Workflow and delivery conditions

01

Select scheme and open box

Choose a validated encoding scheme and receiver, then open the current box.

02

Capture items continuously

Deduplicate complete original codes and total quantities by product code.

03

Seal, upload and print

Freeze the details and save locally. Print after receiving the upload acknowledgement; clearly mark offline manifests as pending upload.

04

Receiver scans and verifies the box

Retrieve the authorised complete item-level EPC manifest, read the physical goods using the RFID PDA and review discrepancies.

Workflow outputs Box-to-item linkage details / Outer box label / Item-level JSON manifest

Hardware combination	Uses an OEM-capable T3 printing terminal with a separate RFID counting pad. Supply configuration is confirmed after compatibility and physical validation.
10.1-inch Pad with quick-release magnetic mounting	A 10.1-inch Pad has an approximately 110×110mm rear magnetic mount. The base rotates and tilts forwards and backwards. Connect Type-C to the equipment-specific interface to control RFID reading/writing, printing and other functions. Reuse the Pad across four device types at different times to reduce purchasing and application maintenance costs.
Encoding scheme	The first 12 hexadecimal EPC characters are confirmed as the product-grouping rule; the full EPC is used for deduplication.
Cloud integration	Smart Pack already provides single-box archiving and SDK capabilities; the current APP has not yet integrated them.
How to order	Hardware, software licences, accessories and services are agreed separately. Online purchasing will be linked when the store is ready.

Current capabilities and validation scope

The packing APP is being restructured to the latest scope. Platform SDK capabilities must not be presented as completed APP integration. Printed output, cloud archiving and actual receiving are confirmed separately.

Discuss your goods-handling workflow

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