

PRODUCT SPEC SHEET

US-K101CB-1 COMPACT DESKTOP CASH HANDLING MACHINE



The US-K101CB-1 Compact Desktop Cash handling Machine is a modular self-service terminal built for shops, community & public-service cash payment Restaurant self-checkout | Retail convenience store cash payment Service hall payment & top-up | Hotel front-desk service

Elegant Flat IPS screen ergonomic design, delivering high reliability, flexible modular expansion and full-unit appearance customization capability. Multiple functional peripherals can be integrated to complete diverse self-service workflows. Full-set SDK development resources are provided for fast secondary integration.

Product External Structural Features

High-Definition Display: Features an optimally selected high-transmittance HD LCD screen. It delivers a clear, high-resolution picture with wide viewing angles and true-to-life colors, faithfully reproducing the original image with long-lasting durability.

Capacitive Touchscreen: Offers high resolution and highly responsive touch performance. It ensures stable, smooth operation without lag or blind spots.

Integrated Banknote Validator: Equipped with an internationally recognized currency acceptor. Beyond the sensor mechanism, it incorporates multiple functional components like micro-electronic controls. It identifies

patterns and specific features on inserted banknotes, effectively suppressing counterfeit currency acceptance and ensuring high accuracy and security.

Integrated Coin Recognizer: This system identifies, counts, and stores coins through a coin discrimination device, a counting mechanism, and a coin storage unit. Utilizing a combination of photoelectric sensors, magnetic sensors, gear drives, and other mechanical and electronic components, it reliably performs coin recognition, counting, and storage functions. It is suitable for various applications requiring coin payment, counting, and storage.

Integrated Receipt Printer: Enhances operational efficiency while reducing operational costs, making it an essential hardware component for modern self-service solutions. Receipts typically record key information such as transaction time, amount, and account number for customer verification and records. It offers versatile media compatibility, supporting the printing of bank slips, shopping lists, invoices, receipts, movie tickets, menus, event tickets, attraction tickets, lottery tickets, and more to meet diverse scenario needs.

Integrated QR/Barcode Scanning Module: Reads and decodes 1D and 2D barcode information. 2D barcodes are characterized by their large data storage capacity, high decoding reliability, strong error correction capability, and low production cost. They are widely used on products, tickets, and various vouchers. Successful scanning instantly retrieves product, ticket, or voucher information, offering a secure, reliable, and simple method.

Multi-Currency Support: Capable of recognizing various modern common currencies, including but not limited to: Chinese Yuan (CNY), US Dollar (USD), Euro (EUR), British Pound (GBP), Swiss Franc (CHF), Canadian Dollar (CAD), Australian Dollar (AUD), Russian Ruble (RUB), Japanese Yen (JPY), South Korean Won (KRW), Thai Baht (THB), Indonesian Rupiah (IDR), and Hong Kong Dollar (HKD). This capability overcomes the limitations of manual judgment, such as knowledge gaps and subjective errors, thereby improving work efficiency and saving labor costs.

Rigorous Pre-Delivery Testing: Each unit undergoes a mandatory 72-hour high-temperature burn-in and a full -load stress test before leaving the factory. This process ensures hardware-software compatibility and overall system stability.

OEM/ODM Customization Services: We provide customized services, enabling easy integration with various required devices to meet multi-scenario demands.

Product Environmental Adaptation & Characteristics

- Customizable Interfaces
- Resistance to Magnetic & Electrical Interference
- ESD (Electro-Static Discharge) Protected Environment Compatibility
- Excellent Compatibility
- Power-On Boot Support
- OEM/ODM Customization Services

Built for 7×24-hour Continuous Operation

Powered by Android 11 Platform

Driven by RK3568 processor paired with 4GB DDR3 RAM and 64GB eMMC storage, US-K101CB-1 runs heavy -duty self-service applications stably. Rich external interfaces simplify peripheral connection and on-site deployment work.

Reliable Non-Stop Operation

Engineered for continuous 7×24-hour operation in public-access scenarios. Hardware is validated for stable long-term running under standard temperature-humidity conditions.

Simplified Development & Deployment

Ready-to-use hardware modules shorten project deployment cycles. Complete SDK documents are supplied for all functional modules to reduce development workload for system integrators.

Specifications

Physical Characteristics

Overall Dimensions	420mm * 410mm * 700 mm
Package Dimensions	610mm * 540mm * 830 mm
Net Weight	38.5 KG
Gross weight	55 KG
Display	10.1inch IPS; touch display,16:09 ratio,1280*720 resolution
Touch Mode	Finger or conductive stylus
Included Accessories	1.8 m power cable ×1; front-door key ×2; back-door key ×2; switch-panel key ×2; voucher-printer key ×2

Performance Characteristics

CPU	Intel I3, I5, I7, J6412 / RK3568, 3576, 3588
Operating System	Android 11, 13, 14, 16 / Windows 10, 11 / Linux Debian, Ubuntu Note: Our software is built on the Android system. The Windows version will be launched soon. For Linux, customers will need to develop the software on their own.
Memory	Windows: 4 / 8 / 16 / 32 / 64GB; Android: 2 / 4 / 8GB
Storage	Windows: 128GB / 256GB / 512GB / 1T Android: 16GB / 32GB / 64GB / 128GB / 256GB

Interfaces

LAN Port	1 × RJ45
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USB Port	4 × USB
DC Power Port	1

Storage Environment

Operating Temperature	0 °C ~ 50 °C
Storage Temperature	-20 °C ~ 60 °C
Operating Humidity	< 80% non-condensing
Storage Humidity	< 90% non-condensing

Power

Power Supply	AV100-240V 50/60hz
Standby Max Power	60W
Continuous Operation	7×24 hours

Data Capture & Optional Modules

Scanner	Reads common 1D / 2D barcodes
NFC Card Reader	125K ID /13.56M IC, Mifare1, CPU, Type A, ISO14443-A card read-write
Printer	Panel-type receipt printer; 58 mm / 80 mm paper width, custom tickets supported
POS Holder	Custom bracket for POS terminal
Bill Recycler	Support automating transactions, cash&coin handling equipment and intelligent identification
Coin validator, Hopper & Recycler	

Bill recycler Specification

Model	Spectral Payout
Interfaces	USB option,Open collector,RS232
Power	Requirements:12V/24V,Standby:400mA,Running: 3A,Peak: 5.5A
Protocols	SSP,ccTalk
Cashbox Options	500/1000 notes
Recycler Capacity	Up to 80 mixed notes

Note Dimensions	Accepts: Width: 60-85mm ,Length: 115-170mm Recycles: Width: 60-82mm
MCBF	100,000

Coin validator, Hopper & Recycler Specification

Model	SMART Coin System
Interfaces	USB option,Open collector
Power	Requirements: 24V ,Standby: 200mA ,Running: 3A ,Peak: 6.5A
Protocols	SSP,ccTalk
Coin Capacity	1400 (€1) or 1050 (€1) or 1500 (quarters)
Mixed Coin Capacity	250 (€2) + 700 (€1) + 300 (50c)

Markets and Applications

Restaurant self-checkout | Retail convenience store cash payment

Service hall payment & top-up | Hotel front-desk service

Overseas projects: kiosks for shops, community & public-service cash payment

Warranty

Subject to hardware quality assurance terms, standard 1-year warranty against defects in workmanship and materials. For custom-modified components, please refer to project-specific contract agreements.

Dimension Drawing

