

K388 Pro Series

Mobile Labeling Printer



K388 Pro 2"



K388 Pro-BT



K388 Pro 4"

Meet the K388 Pro Series

Ultra-compact 4-in-1 Device

K388 Pro is an all-in-one labeling solution designed to eliminate inefficiencies in on-site labeling workflows, such as excessive walking, waiting time, labeling errors, label mix-ups, rework, and delayed data synchronization.

By combining high-speed scanning, printing, label peeling, and application in a single device, it streamlines operations, improves productivity, and ensures real-time data capture with closed-loop accuracy. Ideal for goods receiving, damaged label replacement in retail, returns processing, and inventory management, K388 Pro helps accelerate workflows across retail, warehousing, and logistics operations.

Operational Flexibility & Productivity

Ultra-compact 4-in-1 Design

Accelerate labeling workflows with faster scanning, printing, peeling, and application in a single device, improving efficiency across retail, logistics, e-commerce, and MRO environments.

Ergonomic Design

The gun-shaped structure offers a comfortable, anti-slip grip, while the mid-balance design minimizes wrist fatigue, ensuring ease of use.

Large Screen

Featuring a 5.5-inch fully bonded TFT color screen, this device offers ample display area, allowing users to access more information at a glance.

Professional-grade Scanning Engine

Support 1D/2D codes scanning and printing, effortlessly replacing damaged or creased labels with greater speed and accuracy.

RFID Encoding Capability

Optional RFID version enables label printing and encoding of RFID tags simultaneously.

Precision Narrow-width Printing

Providing 2" (50.8mm) professional printing width with 120mm/s ultra fast speed. Quick-release paper magazine for forward/reverse label rolls.

Three Printing Modes

Designed for logistics, warehousing, and retail, it streamlines label replacement, de-aggregation, and aggregation labeling, improving operational efficiency, accuracy, and productivity.

Enterprise-Grade Performance & Reliability

High Performance & Reliable Connectivity

Powered by an Octa-core 2.4GHz processor and Android 14, alongside with Wi-Fi 6E 2x2MU-MIMO and Bluetooth 5.3.

High-Capacity Removable Battery & Hot Swap

The removable 32.4 Wh battery delivers 18–20 hours of operation and features hot-swap technology for continuous use without shutting down the device. Supports charging via USB-C or a 4-slot cradle for added flexibility and convenience.

Rugged and Reliable

Shockproof design and 1.5m drop resistance ensure durability under tough conditions.

Enterprise-Grade Performance & Reliability

Three Models Available

K388 Pro — 2-inch compact labeling terminal

K388 Pro 4 — 4-inch wide-format labeling terminal

K388 Pro BT — 2-inch Bluetooth labeling terminal (host-free design)

Manage Your Workforce Efficiently with UROVO Software

Visualized Fleet Management

UROVO UMS enables centralized device management across multiple device types and operating systems. IT administrators can remotely manage devices, control app access, enforce security policies, and streamline device lifecycle management from a single dashboard.

Streamlined Device Setup & Enterprise Management

UROVO U-Stage simplifies device deployment with preset configurations, apps, and settings. Devices can be quickly set up via remote deployment, local import, or QR code scanning, while OEMConfig supports enterprise policy and compliance management through EMM platforms.

Industry & Applications

Retail

- Price marking and markdowns
- Promotional labeling
- Shelf replenishment
- Receiving and stock management
- Inventory counting
- Returns processing

Warehousing & Distribution

- Receiving and put-away
- Inventory management
- Pallet and carton labeling
- Order picking and fulfillment
- Shipping verification
- RFID labeling

Food & Grocery

- Expiration date labeling
- Fresh food management
- Production date labeling
- Markdowns for near-expiry products
- Traceability labeling

Logistics & Parcel Delivery

- Parcel sorting
- Routing label printing
- Shipping and dispatch
- Cross-docking operations
- Last-mile delivery
- Distribution center workflows

Apparel & Footwear

- Price tag updates
- RFID tagging
- Seasonal markdowns
- Re-ticketing and relabeling
- Returns management

Manufacturing

- Work-in-process (WIP) tracking
- Batch and lot labeling
- Quality control identification
- Production traceability
- Work order management

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Performance Characteristics			
CPU	SM6225 Octa-core 2.4 GHz		ESP32-D0WDR2
Operating System	Android 14, Upgradable to Android 20		/
Memory	RAM: 4GB, ROM: 64GB		RAM 2MB, Flash128MB
Physical Characteristics			
Dimensions	185 × 85 × 137mm185 × 144 × 137mm		185 × 85 × 134mm
Weight	800g	992g	700g
Display	5.5 inches 720 x 1440, LCD, 600 nits		0.9 inch OLED
Touchpanel	Multi-mode capacitive touch with bare or gloved fingertip input or stylus (sold separately), Corning Gorilla Glass; Water droplet rejection; Fingerprint resistant anti-smudge coating		/
Power	User replaceable battery Standard capacity 10.8V 3000mAh / 32.24Wh; Smart Battery Management		User replaceable battery Standard capacity 10.8V 3000mAh / 32.24Wh;
Scanning	Professional scan engine ; Support international standard 1D/2D barcode ; Support barcode displayed on screen and colored barcode ;		
Interfaces	Bottom: USB-C 3.0(support OTG)		USB Type-C*1
Bluetooth	Class 2, Bluetooth v5.3 and secondary BLE		Bluetooth v4.2
Notification	Audible tone; Vibration; LED		Buzzer*1
Keypad & Button	Trigger; On-screen keypad and Enterprise Keyboard; Power button; Volume up/down buttons;		Trigger; Power button;

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PRINTER FEATURES

Print method	Thermal Direct		
Maximum Print Width	1. 9 in./ 48mm	4 in./ 104mm	1. 9 in./ 48mm
Printing speed (max.)	Up to 4.7 in./ 120mm / s	Up to 3.9in./ 100mm / s	Up to 4.7 in./ 120mm / s
Resolution	203 dpi (8 pm / mm)		
Media	Gap sensing;		
Sensors	Black mark sensing;		
Command set	CPCL, ZPL, TSPL		

MEDIA FEATURES

Media Width	1.2 - 2.3 in./ 30 - 58mm	1.9 - 4.6 in./ 50 - 118mm	1.2 - 2.3 in./ 30 - 58mm
Media Roll Outer Diameter(OD)	≤ 2.3in./ 60mm		
Core Inner Diameter(ID)	1in./25.4mm		
Media Thickness	2 mil to 7 mil/ 50 μm to 180 μm		
Media Types	Direct thermal gap labels; Direct thermal blackmark labels(centered blackmark);		Multiple 5 ft./1.5 m drop to concrete at room temperature

USER ENVIRONMENT

Temperature	- 20°C~+60°C		- 10°C~+45°C
Storage	- 40°C ~ +70°C		- 20°C ~ +70°C
Humidity	5%RH ~ 95%RH (No condensation)		
Sealing	IP54		
Drop Specification	Multiple 5 ft./1.5 m drop to concrete at room temperature	Multiple 4 ft./1.2 m drop to concrete at room temperature	Multiple 5 ft./1.5 m drop to concrete at room temperature
ESD	+/-15kv Air; +/-8kv contact		

SENSORS

Sensors	Accelerator + Gyror	/	
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GNSS		
GNSS	GPS (L1) , BeiDou (B1 1.561GHz) , GLONASS(L1 1.602GHz), Galileo (L1 1.589 GHz)	/
WIRELESS LAN		
Radio	IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v/w/mc/ax; 2x2 MU-MIMO; Wi-Fi™ 6E; Dual Band Simultaneous; IPv4, IPv6	/
Data Rates	6 GHz: 802.11ax — 20 MHz, 40 MHz, 80 MHz, 160 MHz — up to 2401.9 Mbps 5 GHz: 802.11a/n/ac/ax — 20 MHz, 40 MHz, 80 MHz, 160 MHz — up to 2401.9 Mbps 2.4 GHz: 802.11b/g/n/ax — 20 MHz, 40 MHz — up to 573.5 Mbps	/
Security & Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES),EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC , LEAP and EAP-PWD; WPA3 Enterprise 192-bit mode (GCMP-256) - EAP-TLS; Enhanced Open (OWE); WPA3-FT, SCV (Server Certificates Validation)	/
WIRELESS PAN		
Bluetooth	Configurable Class 1 and 2, Bluetooth v5.3; Classic Bluetooth(BR/EDR) and Bluetooth LE	Bluetooth v4.2
DATA CAPTURE		
Scanning	Standard Range 1D/2D scan engine	/
Camera	Rear: 13MP autofocus; flash LED, PDAF; Torch mode; Front : 5MP Fixed, FF;	/
NFC	NFC-Forum (NFC-IP MODES) 1. Reader (PCD) - NFC Forum Tag Types 1 To 5 - ISO/IEC 14443 A / 14443 B/ 15693 - Mifare Classic 1K/4K / DESFire - Mifare UltraLight - Sony FeliCa 2. Card Emulation - ISO/IEC 14443 A / 14443 B - Mifare Classic 1K/4K - Sony FeliCa	Passive NFC tags for quick pair.
UHF(optional)	UHF RFID Tag Encoding Supports tags compatible with UHF EPC Class 1 Gen 2V2, ISO/IEC 18000-63 and RAIN RFID protocols	/

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SOFTWARE SOLUTIONS		
UEE Software Solutions	Enterprise Management:	
	Unified Management System (UMS)	
	UStage Provisioning	
	OEMConfig	
	UTalk 2.0 PTT platform	
	OTA / Firmware Update Management	
	App Market	
	Device Productivity:	/
	ScanWedge	
	U-Browser	
3rd Party Solutions	Enterprise Launcher	
	Diagnostics & Maintenance:	
	Log Capture	
	WiFi Diagnostics	
	Smart Battery Management	
	EMM:	
	SOTI	
	Omnissa Workspace ONE(Airwatch)	/
	42Gears	
	safeUEM	
Accessories	SpringDel	
	ACCESSORIES	
	• 4-slot battery charger (4 K388 Pro batteries)	• 4-slot battery charger (4 K388 Pro batteries)
	• Standard battery(10.8V 3000mAh / 32.24Wh)	• Standard battery(10.8V 3000mAh / 32.24Wh)
	• Shoulder strap	• Shoulder strap
	• 10W(5V-2A) wall adapter + USB 2.0 Type C cable	• 10W(5V-2A) wall adapter + USB 2.0 Type C cable
	• Glass protective film	