

Empower Your Mobile Workforce



**Stronger
Together**



Today, many businesses turn to mobile printing solutions to help them improve operational agility and responsiveness to meet the demands of an ever-changing enterprise environment. Mobile printing empowers your workforce to print on the go, whenever and wherever with maximum ease and flexibility. Designed with comprehensive features, the TSC Printronix Auto ID mobile printer family enables users to print efficiently, manage their fleet remotely, connect to various communication platforms securely, and do more with integrated software packs. With an extensive set of capabilities, our mobile printers are a perfect fit for a wide range of industries that require flexible and efficient label and receipt printing to deliver maximum benefits for both internal operations and customer facing applications.

Receipt vs. Label Overview

Mobile printers can be used to print different types of consumables depending on the application. Factors include where the application will occur, indoors or outdoors, and whether receipts or labels are required. Typical receipt applications include retail receipt printing, desk side services, parking tickets, police ticketing and ticket replacement, and meter reading. They are often used for items that require short-term preservation of printed contents. Labels are often used in manufacturing production, assets and material management, transportation and logistics industry tracking labels, and medical care tracking that require longer term, more durable preservation of printed contents. Labels are often applied to goods moving through the supply chain to ensure safe transport of goods and personnel.



R



Alpha-2R

The 2-inch mobile receipt printer can support linerless and other label applications in addition to printing receipts. The printer's large roll capacity is ideal for high-volume printing applications, so you can print more and replace consumables less. With extensive memory, it is capable of storing a large number of fonts and graphics files. The printer also has an optional NFC reader/writer that can be used for data exchange of NFC tags on the shelf.



R



Alpha-3R

The 3-inch mobile receipt printer is commonly used to print receipts but can also print labels with ease. The lightweight, plastic design with rubber over mold construction makes handling effortless. The built-in media holder is adjustable and can easily adapt to consumables of different widths. The mobile printer is often used in medical industry sample tracking, retail goods information, table side ordering services, meter operations and shelf label replacement.



R



TDM-20/TDM-30

This series features a 2-inch and 3-inch mobile printer model. The compact and lightweight pocket-sized design is the top choice for users seeking ultimate mobility for both receipt and label applications. Its highly durable, sleek design can endure even the most demanding environments including water, dust, vibrations, and drops. It is often used in police ticketing, transportation ticketing replacement, retail and healthcare industries.



L



Alpha-4L

The 4-inch mobile label printer is equipped with peeler and automatic center adjustment label holder for easy installation and automatic peeling. The rugged design brings you reliable performance. A high-capacity battery offers full shift, zero downtime operation. The built-in Micro SD card reader allows users to upgrade the memory space for large volumes of fonts and images, which is often used for transportation and logistics label printing and manufacturing production and warehouse management.



L



Alpha-30L/Alpha-40L

Our latest 3-inch and 4-inch mobile barcode label printers have enhanced features including military-grade drop and tumble durability, IP-54 weatherproof rating, wireless connectivity and peripheral accessories. Designed for smart factory and IoT solutions, smart batteries and sophisticated TSC Sense Care integrate with SOTI Connect, an enterprise level IoT device management software, or with TSC Console, software developed by TSC, suitable for small and medium-sized enterprises to manage printers. Improved productivity through real-time monitoring is ideal for various industrial applications looking to improve operational intelligence.

Benefits of Our Mobile Printers



Seamless Mobility Communication

Seamless and reliable connection is crucial for TSC mobile printers to fulfill users' demands while on the go. Stable wireless connectivity enables fast roaming and enterprise-grade security to ensure reliable and safe operation. MFi Bluetooth compatibility allows users to easily and securely print labels for applications anywhere in the facility, indoors or outdoors. The TSC Mobile Utility App allows IT staff to efficiently check and troubleshoot printer issues effortlessly and is available for both iOS and Android™ operating systems.



High Performance and Rugged Design

Equip your mobile workforce with durable printers for demanding environments and applications. TSC mobile printers help users conduct frontline tasks quickly and reliably with rugged designs built to handle diverse conditions. Designed for durable performance, TSC mobile printers have successfully passed multiple authorized tests, including dust and water resistance, drop and tumble evaluation and military standard vehicle vibration. Approach any operating task, in any workplace, in any condition with confidence.



Sophisticated TSC Sense Care

Sophisticated TSC Sense Care features provide smart and preventive advantages that give up-to-the-minute printer updates to users, such as TPH Care detecting printhead bad dots and recording printhead usage status, and Smart Battery monitoring the real-time battery health and remaining capacity for an early replacement to ensure full shift performance.



Dynamic Remote Printer Management

Whether you need the enterprise-level power of SOTI Connect or SMB strength of TSC Console, our mobile printers provide advanced printer management for diverse tasks to help users monitor printer status, give warning messages to ensure maximum productivity and avoid unexpected downtime. The intelligently designed TSC Sense Care features can be seamlessly integrated and managed in SOTI Connect and TSC Console, offering better visibility over the printer's health and performance.



Integrated Software Pack

With advanced OPOS and SDK software packs, IT staff and system integrators are able to easily store and manage settings and reduce programming time for faster deployment. TSC mobile printers not only support OPOS, but also provide mainstream platform SDK support for Windows™ and Windows™ Mobile (WinCE), Android™ and iOS. After integration, the customized software can be leveraged and tailored to switch between POS terminals, handheld device and printers for quick port communications, connections and print command transfers.

Choose the Right Mobile Printer for You

Retail

Easy to read consumer information on shelves such as promotions, discounts, and interactive QR codes, help give customers the best possible in-store shopping experience. Quick checkout and complete receipt details can also reduce wait times for consumers. Retail stores can also use barcode labels to effectively manage the purchase, sales, and inventory process, so as to improve the productivity of store personnel and provide customers with better service quality.



Printers

- Alpha-2R
- Alpha-3R
- TDM Series
- Alpha-30L/Alpha-40L

Applications

- Shelf Labeling
- Super Market Relabeling
- Field Sales/Repairs



Transportation and Logistics

Quantity, accuracy, speed and efficiency are key drivers for competition in the logistics industry. In today's booming ecommerce industry, complete logistics tracking can ensure that goods arrive in the hands of your customers in a timely and safe manner, and barcode labels play a critical role. The use of barcode labels enables logistics companies and their customers to accurately track the status of goods through the supply chain and has proven to be a reliable and efficient solution.

Printers

- Alpha-4L
- TDM Series
- Alpha-30L/Alpha-40L

Applications

- Shipping & Receiving
- Direct Store Delivery

Manufacturing

The manufacturing industry has always been committed to achieving efficient productivity, control costs, smooth manufacturing processes and workforce management. The introduction of barcode label solutions allows manufacturers to conduct comprehensive management from raw materials to finished goods. Through accurate and effective tracking and data analysis, unnecessary costs and wasted resources can be reduced, and employee productivity and product quality can be improved.



Printers

- Alpha-4L
- TDM Series
- Alpha-30L/Alpha-40L

Applications

- Asset Management
- Raw Materials/Finished Goods



Healthcare

Medical safety and quality care are the promises of the healthcare industry to its patients. Effective management from medication safety, sample collection, sample analysis, treatment procedures and records help ensure improved accuracy and overall patient safety. The precise identification function of the barcode label not only improves the work efficiency of medical staff and reduce human error, but also allows patients to visit the doctor with peace of mind through effective tracking management.

Printers

- Alpha-2R
- Alpha-3R
- TDM Series
- Alpha-30L/Alpha-40L

Applications

- Emergency Medical Service Ambulance
- Point of Care
- Laboratory

Verticals Overview

Model	Alpha-2R	Alpha-3R	TDM-20/TDM-30	Alpha-4L	Alpha-30L/Alpha-40L
Retail	●	●	●		●
Transportation and Logistics			●	●	●
Manufacturing			●	●	●
Healthcare	●	●	●		●

Specifications

Model	Alpha-2R	Alpha-3R	TDM-20/TDM-30	Alpha-4L	Alpha-30L/Alpha-40L
Print Width	48 mm (1.89")	72 mm (2.83")	48 mm (1.89")/ 72 mm (2.83")	104 mm (4.09")	72 mm (2.83")/ 104 mm (4.09")
Max. Media Width	58 mm (2.28")	80 mm (3.15")	58 mm (2.28")/ 80 mm (3.15")	112 mm (4.4")	80 mm (3.15")/ 112 mm (4.4")
Supported Media	Receipt Select Label	Receipt Select Label	Receipt Select Label	Receipt Label	Receipt Label
Media OD	50 mm (2")	57 mm (2.25")	30 mm (1.2")/40 mm (1.6")	67.3 mm (2.65")	67 mm (2.6")
Battery Capacity	1620 mAh	2500 mAh	1130 mAh/3080 mAh	5800 mAh	3030 mAh/6200 mAh
Weight	350 g	550 g	215 g/375 g	1100 g	745 g/985 g
Drop Specification	1.5 m (5 ft), w/ case: 2 m (6.5 ft)	1.5 m (5 ft)	1.8 m (5.9 ft), w/ case: 2.5 m (8.2 ft)	1.5 m (5 ft), w/ case: 1.8 m (6 ft)	1.8 m (6 ft), w/ case: 2.5 m (8.2 ft)
IP Rating	IP42 (w/o case) IP54 (w/ case)	IP54 (w/ case)	IP42 (w/o case) IP54 (w/ case)	IP54 (w/ case)	IP54 (w/o case, paper path is excluded)
Operation Condition	Operation: -20° ~ 50° C (-4° ~ 122° F)	Operation: -10° ~ 50° C (14° ~ 122° F)	Operation: -15° ~ 50° C (5° ~ 122° F)	Operation: -10° ~ 50° C (14° ~ 122° F)	Operation: -20° ~ 50° C (-4° ~ 122° F)
Memory	64MB DRAM 128MB FLASH	8MB DRAM 4MB FLASH	32MB DRAM 16MB FLASH	32MB DRAM 16MB FLASH	128MB DRAM 128MB FLASH
Peeler	×	×	×	✓	✓
Linerless	✓	×	✓	✓	✓
Wi-Fi Module	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n Bluetooth 4.2	802.11 a/b/g/n	802.11 a/b/g/n/ac Bluetooth 4.2
MFi Bluetooth	Bluetooth 4.2	Bluetooth 4.0	Bluetooth 5.0	Bluetooth 4.0	Bluetooth 5.0
Printer Management	TSC Console	TSC Console	TSC Console	TSC Console	SOTI Connect TSC Console

For more information about Mobile Accessories, visit: <https://usca.tscprinters.com/en/products/mobile>.

* Product models and specifications are subject to change without notice.



Mobile Printers
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