ZEBRA

P4T Mobile Printer

A MOBILE PRINTER IDEAL FOR LONG-LASTING THERMAL TRANSFER LABELS

The easy-to-carry P4T printer enables you to print long-life barcode labels and documents up to 4" wide where and when you need them — resulting in enhanced data and asset-tracking accuracy and improved workforce efficiency. Uniquely flexible, the P4T offers the advantages of thermal transfer image durability (barcodes / text / graphics), advanced wireless connectivity options and included direct thermal mode in a versatile variety of combinations. The easy-to-wear and carry Zebra P4T mobile printer is ideal for indoor and outdoor applications in government, manufacturing, transportation and logistics, mobile field service and healthcare.

The P4T opens easily for a quick and simple change of media and ribbon cartridge.

Manufacturing / Transportation and Logistics Thermal Transfer Applications

You likely already use a thermal transfer tabletop printer in your operations because your printed labels need to stay readable and scannable long term. You apply these long-lasting labels to items that must move through a long supply chain, endure long storage times, and / or encounter harsh or outdoor environments. Now you can extend the functionality of your thermal transfer stationary printer to print labels precisely where they need to be applied. When you print labels on the spot and on demand with the rugged P4T mobile printer, you improve worker productivity by saving steps to and from a centralized printer. And you improve accuracy by ensuring the right label is applied to the right item.

Typical Uses

The P4T mobile printer finds a ready home in manufacturing plants and warehouses; retail store warehouses, outdoor garden centers, and distribution centers; and third party logistics warehouses.

Manufacturing and Warehousing

- Receiving — inventory labeling
- Shipping — apply labels to items as they're picked, even from a forklift
- Work-in-process labeling — for harsh production environments and to provide lifetime product tracking for recall management and security authentication
- Asset management

Transportation and Logistics

- Producing shipping labels where mobility is valued, such as labeling large items or items at the shipping dock
- Cross-docking
- Container labeling

Thermal Transfer Longevity

When paired with tested genuine Zebra® thermal transfer supplies, the P4T printer produces 2- to 4-inch-wide labels or other documents that withstand harsh environments and offer archival longevity ranging from 18 months to up to 10 years in outdoor applications.

Advanced Technology for Ease of Use and Productivity

- **Advanced wireless** — Bluetooth® 2.0, secure 802.11b/g, or both; Serial/USB
- **Smart Operation** — Battery monitoring and auto-adjusting ribbon cartridge
- **Rugged for outdoor use** — IP14 water-resistance rating; IP54 dust-and water-resistance with soft case; tolerant to multiple drops up to 5' / 1.52m to concrete
- **Fast, easy media and ribbon loading**
- **Comfortable to wear and hold**
- **DEX communication for direct store delivery** (U.S. only)

For more information about the **P4T Mobile Printer**, visit **www.zebra.com/p4t** or access our global contact directory at **www.zebra.com/contact**

Mobile Workforce / Field Service Applications

Workers who spend most of their time working out of the building benefit from mobile technology. Carrying handheld computers and printers with them enables them to print on site, on demand — enhancing their efficiency, data accuracy and customer satisfaction Your mobile workers work in the field, where you need them to be able to apply labels that deliver durability and longevity in harsh outdoor environments, or deliver archive-quality documents up to 4" wide that don't fade over time. Now with the rugged P4T, you can print long-lasting thermal transfer labels and documents out in the field — and avoid the extra time, labor and potential errors caused by preprinting them.

Typical Uses

Label attachment at remote locations (repair history)

Utility labeling outside of plant

Receipts — using the recommended genuine Zebra media — where image durability and archiveability are required

Asset tagging

- Utility: light poles and fixtures, electrical power / water / gas / phone / cable sub-station equipment and components
- HVAC: boiler, chiller, other equipment asset tags; proof of service receipts
- Construction sites: heavy equipment and tool asset tagging; inventory control
- Indoor equipment tags: long-life tags
- Fleet management: identifying and tracking service vans, trucks and other vehicles
- Building inspection: fire extinguishers, exits, sprinkler systems

Government Applications

When it comes to U.S. military asset tracking and Unique Identification (UID) barcoding, you need labels that can withstand extreme conditions. In state and local law enforcement, you need citations and evidence labels that remain sharp and readable despite harsh environments and the effects of time. Now, mobile thermal transfer printing brings you this durability plus the benefits of point-of application efficiency and accuracy.

Typical Uses

U.S. Department of Defense
Scanning barcode labels between destinations tracks movement and streamlines the deployment of troops and equipment, ensuring tight inventory control. The United States Department of Defense uses rugged Zebra thermal transfer printers and long-lasting synthetic labels that withstand harsh military environments to identify and track equipment and supplies.

Now, with the rugged, thermal transfer P4T mobile printer, you can print, at the point of application, durable labels that withstand heat, sandstorms, and other harsh outdoor conditions.

- For example, label large assets like vehicles, and label inventory as it is received off cargo planes in war zones, and print missing and replacement MIL-STD-129 labels whenever needed.
- It's also a convenient way to spot re-label legacy assets valued over $5,000 with UID replacement labels.
- Specific genuine Zebra supplies have been independently tested to ensure compliance with the DoD's requirements for UID labeling under MIL-STD-129 and MIL-PRF-61002A.

State and Local Law Enforcement
Zebra's mobile printing and ticketing solutions for electronic citation systems allow officers to easily print citations on the scene. The P4T printer's thermal transfer printing together with special genuine Zebra receipt media provide you with extra confidence that even when exposed to moisture or high temperatures, citations will remain readable and enforceable.

For a secure chain of custody, you need crime evidence barcode labels with archival longevity that ensures they can be scanned long after collection. You also need the mobility of a printer that can print evidence labels right at the point of collection to ensure accurate information. The P4T mobile thermal transfer printer answers both needs at once.

Mobile A to Z

From Accessories, to Supplies, to Zebra OneCare Plans

Chargers / Adapters

AC Adapter: Connect the AC adapter to your P4T and wall outlet to charge your P4T at the end of a shift.

AC Single Charger: Charges a single battery outside the printer.

Quad Battery Charger: Charges up to 4 Zebra Li-Ion batteries at a time.

Mobile Mounts and Handi-Mounts: For vehicles or forklifts, allows flexible mounting to many surfaces.

DC Adapter: Connect the DC adapter to your P4T and forklift battery to charge your P4T while using your forklift.

In-Vehicle Mobile Charger: A convenient and cost-effective means to charge your P4T while on the road.

Spare P4T Battery

Spare batteries ensure you'll always be charged and ready to go.

Cables

A family of cables is available for tethered connectivity between your P4T and a variety of the most popular handheld computers.

Vehicle Cradle

Conveniently and securely store and charge the printer in a vehicle or forklift. Release it instantly with a push of a lever to take to the customer or a remote location.

Heavy Duty Forklift Mount

Heavy-duty shock and vibration protection.

Nylon Soft Case

Adds an extra layer of protection from harsh environments. Provides IP54-level protection against dust and moisture.

Mobile Media

For optimal printing quality and proper printer performance across our product line, Zebra strongly recommends the use of genuine Zebra supplies as part of the total solution. Specifically, each of the P4T is designed to work only with genuine Zebra smart batteries and smart ribbon cartridges designed for the P4T, thus maximizing safety, ease of use and print quality.

Zebra provides both in-stock and custom-made receipt paper, labels, and tags specifically engineered to ensure optimum performance in Zebra printers. Custom options include watermarks, preprinted logos, and terms and conditions. Zebra also offers quality heat, water, and UV-resistant coatings for attractive durable images. For details, contact your authorized reseller, or call Zebra at +1 877 275 9327.

Zebra OneCare Service Agreement

A Zebra OneCare service agreement is a cost-effective means of planning and budgeting your annual maintenance expenditures.This back-to-factory service ensures that trained and certified Zebra technicians will bring your printer back to factory specifications every time. Zebra offers four plans to meet your specific needs.

The Complete Solution

Application		Genuine Zebra Supplies*	Genuine Zebra Accessories
Manufacturing and Warehousing			
Shipping and Receiving		Z-Perform™ 2000T	• Vehicle cradle for docking and charging • AC adapter • Quad battery charger • RAM® mounting hardware for vehicles or forklifts • Heavy-duty forklift mount • DC adapter • Nylon soft case • Spare battery • Cables
Work in Progress		Z-Perform 2000T Tag	
Asset Management	Indoor applications	Z-Perform 2000T	
	Outdoor applications	PolyPro™ 4000T	
Transportation and Logistics			
Shipping		Z-Perform 2000T	• Vehicle cradle for docking and charging • AC adapter • Quad battery charger • RAM mounting hardware for vehicles or forklifts • Heavy-duty forklift mount • DC adapter • Nylon soft case • Spare battery • Cables
Cross-Docking		Z-Perform 2000T	
Container Labeling		Z-Perform 2000T	
Mobile Workforce Field Services			
Repair History	Indoor Applications	Z-Perform 2000T	• Vehicle cradle for docking and charging • AC adapter • Quad battery charger • RAM mounting hardware for vehicles or forklifts • DC adapter • In-vehicle mobile charger • Nylon soft case • Spare battery • Cables
	Outdoor Applications	PolyPro 4000T	
Outdoor Utility		PolyPro 4000T	
Other Documents up to 4" Wide	Where image durability and archivability are required	Z-Select™ 4000T Receipt	
Asset Tagging	Utility	Z-Ultimate® 4000T	
	HVAC rooftop equipment tags	8000T Ultra-Tuff Tag	
	HVAC service history	PolyPro 4000T	
	Construction sites	8000T Ultra-Tuff Tag	
	Indoor equipment tags	Z-Select 4000T Tag	
	Fleet management	PolyPro 4000T	

The Complete Solution

Application		Genuine Zebra Supplies*	Genuine Zebra Accessories
Government			
UID Solutions	2 years outdoor	PolyPro 4000T with 5095 ribbon	• Vehicle cradle for docking and charging • AC adapter • Quad battery charger • RAM mounting hardware for vehicles or forklifts • In-vehicle mobile charger • Nylon soft case • Spare battery • Cables
	3 years outdoor	8000T Ultra High-Tack Matte with 5095 ribbon	
Evidence Labeling	Indoor applications	Z-Select 4000T	
	Outdoor applications	PolyPro 4000T	
E-Citations	Limited exposure to rain	Z-Select 4000T Receipt	
	For use in the rain	PolyPro 4000D Receipt	
	For high-temperature climates	8000D High-Temp Receipt	

*There are media beyond those listed that are suitable for your application. Please discuss with your Zebra representative.

P4T Mobile Printer Specifications

PRINTER NAME

P4T

STANDARD FEATURES

- Print Methods: Thermal transfer and direct thermal
- 8 MB Flash /16 MB SRAM memory
- USB 2.0 and Serial connection
- 32 bit processor
- Large LCD
- Drop-in / pop-out media and ribbon loading
- Tolerant of multiple drops up to 5' to concrete
- Sensor detects gap, black bar, media, media width, door ajar and ribbon
- Smart battery and ribbon cartridge
- Shoulder strap
- Peeler

PRINTER SPECIFICATIONS

Resolution	203 dpi/8 dots per mm
Memory	8 MB Flash/16 MB SRAM
Maximum Print Width	4.09"/104 mm
Maximum Print Speed	Direct Thermal: 3"/76.2 mm per second Thermal Transfer: 1.5"/38.1 mm per second
Media Sensors	Black mark, gap
Power	7.4V Li-Ion, 1200 mAh battery; rechargeable

MEDIA CHARACTERISTICS

Maximum Label and Liner Length	4.12"/104.6 mm
Maximum Media Width	4.12"
Maximum Media Roll Size	2.6"/66 mm O.D. on a 0.75"/ 19.1 mm I.D. core
Thickness	Receipt paper: 3.2 mil (minimum) Labels: 8.2 mil (maximum) Tags: 6.5 mil (maximum)
Media Types	Labels and documents up to 4" wide on either synthetic or paper

RIBBON CHARACTERISTICS (Thermal-transfer option only)

Standard Length	98.4'/30 m
Width	4.33"/110.0 mm
Ribbon Setup	Approximately 2:1 media to roll to ribbon depending on media thickness
Ribbon Type	Wax; wax/resin

OPERATING CHARACTERISTICS

Environment*	Operating Temperature: • Thermal transfer: 32°F to 113°F/0°C to 45°C • Direct thermal: -4°F to 122°F/-20°C to 50°C Operating Humidity: 10% to 90% non-condensing Storage/Transportation Temperature: -22°F to 149°F/-30°C to 65°C

* Extremes in temperature and label image density may affect throughput and print image quality. Please contact Zebra for guidance to maximize the performance of your solution.

OPERATING CHARACTERISTICS (continued)

Agency Approvals	EMC: FCC Part 15 and EN55022 Class B limits
	Radio approval for BT and 802.11b/g: FCC, Industry Canada
	Safety: IEC 60950, NRTL marking for US and Canada
	EU: EMC, LVD, R and TTE Directives
	Additional countries being certified. Please check www.zebra.com for availability.

PHYSICAL CHARACTERISTICS

Length	3"/76.2 mm
Width	7"/177.8 mm
Height	8.6"/218.4 mm
Weight	2.9 lbs/1.32 kg with ribbon and battery

COMMUNICATION AND INTERFACE CAPABILITIES

Communication interface: USB 2.0

Wireless: Bluetooth, short range radio frequency connectivity. Profiles supported: SPP.

WLAN (802.11b/g) support for the following security protocols: Airbeam Safe VPN, EAPTLS, EAP-TTLS, LEAP, PEAP, EAP-FAST. WPA with the protocols listed and WPA2-PSK (AES or TKIP).

FIRMWARE

Printer Control Language — The P4T mobile printer comes equipped with CPCL, ZPL® and XML, ensuring easy integration into existing systems that run Zebra mobile printers without the need for additional software. WML for display programming.

BARCODE SYMBOLOGIES

Linear Barcodes: Code 39, Code 93, UCC/ EAN128, Code 128, Codabar (NW-7), Interleaved 2-of-5, UPC-A, UPC-E, 2 and 5 digit add-on, EAN-8, EAN-13, 2 and 5 digit add-on

2D Barcodes: PDF417, MaxiCode, QR Code, GS1 DataBar™ (RSS) family, Aztec, MSI/ Plessey, FIM Post Net, Data Matrix Barcode Ratios: 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1

FONTS AND GRAPHICS

Scalable text feature

Standard resident fonts can be rotated in 90° increments

International character set support: US/Canadian English/Latin 1 and 5 (including Turkish), Japanese 16x16, Japanese 24x24, Chinese 16x16 (traditional), Chinese 16x16 (simplified), Chinese 24x24 (simplified), Korean Mincho, Korean Myeong. Others available upon request.

Supports user defined fonts and graphics and logos

OPTIONS AND ACCESSORIES

- Bluetooth 2.0
- 802.11b/g
- Fanfold support
- AC adapter
- AC single charger
- Quad battery charger
- Vehicle cradle for docking and charging RAM® mounting hardware for vehicles or forklifts
- Heavy-duty forklift mount
- DC adapter
- In-vehicle mobile charger
- Nylon soft case
- Spare battery
- Cables

Ideal for These Applications

- Manufacturing and Warehousing
- Transportation and Logistics
- Mobile Workforce / Field Service
- Government

P4T Mobile Printer Specifications

PRODUCT WARRANTY

The P4T is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit: www.zebra.com/warranty.

RECOMMENDED SERVICES

The Zebra OneCare Service portfolio of Essential, Select and Premier maximizes the availability and productivity of your devices. Key features include 24/7 technical support, comprehensive coverage, advance replacement and software updates. Optional Visibility Services are available. For more information go to www.zebra.com/zebraonecare.

For optimum print quality and printer performance, use genuine Zebra supplies.

Specifications subject to change without notice.

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