Public Sector Labeling Solutions

Asset Tracking and Data Capture Enable Transformation

Public sector agencies are grappling with similar issues: demand for services is increasing; attracting and retaining employees is challenging; and post-pandemic economic shifts mean costs are increasing as budgets continue to fall.

The need to streamline operations, enhance efficiency, and relieve the pressure on busy teams is an everyday issue.

Digital transformation is critical to help public sector organizations get ahead of the rising demands. Real-time track and trace technology is the heartbeat of that transformation — all enabled by simple yet sophisticated labeling solutions.

Labels do so much more than store valuable data. They can speed up and improve business-critical tasks.

With Zebra Certified Supplies, they will.

The Ability to Give Assets a Digital Voice

Our high-quality, robust barcode and RFID labels, tags, ID cards (ideal for printing licenses for driving, fishing, recreational permits and more), wristbands and receipts can be printed and applied virtually anywhere.

Zebra labeling solutions can give any asset a digital voice, making it easy to identify and locate at any given moment. It can also be extended to people wearing an ID card or wristband. This digital voice can be captured by both mobile and fixed devices to show what inventory you have, where it is, and its condition — in everywhere from the most remote locations, to schools, hospitals, official buildings, warehouses, operational bases, and more.

The ability to instantly locate items saves public sector organizations a huge amount of time. And with data automatically sent to relevant systems, the situational awareness, decision making and performance of teams across sectors can be enhnanced.

Emergency Services and Public Safety: Optimizing Safety, Streamlining Workflows

The equipment carried by first-response vehicles can be worth hundreds of thousands of dollars. And when lives are at stake, the pressure of emergency situations means that items can be easily mislaid or left at the roadside.

With our RFID technology, you can easily connect vehicles and depots to ensure the right kit is in the right place every time, with teams alerted if something has been left behind. Inside ambulances, paramedics can view the status of sensitive items, such as blood, plasma, and medicines, using environmental indicators that change color in the event of temperature excursions.

Across bases and vehicles, you can replace manual stock counts with simple label scans for inventory checking that is quick, accurate, and painless. Label scans also connect users to maintenance and asset condition software, which can be automatically refreshed depending on the data. And in the field, teams can scan labels as they use items to trigger automatic re-orders. Meanwhile, on the streets, enforcement and policing teams can quickly and easily print and issue on-the-spot e-citations simply by scanning QR or barcodes that link to payment portals.

Healthcare:
Enhancing Care, Stretching Budgets

Nowhere is the need to compensate for labor shortages more necessary than in healthcare. And nowhere is it more important for the technology clinicians rely on to provide exceptional performance. That's why so many healthcare organizations trust in thermal or laser hospital wristbands and label supplies from Zebra.

With a handheld or automated scan of a wristband, teams can confirm patient identities, and easily access and update related electronic health records via mobile devices. Where extra levels of care and protection are necessary, RFID technology can keep a continuous eye on vulnerable patients and trigger an alert if they move beyond certain areas.

In labs, our asset tracking solutions can reduce human error and the need for re-tests. Across your clinics, they can save time and money by making it easy to keep accurate inventories (e.g. in pharmacies), show clinicians where colleagues or items are located, and prevent the loss and theft of valuable equipment. Specialist labels also make it easier to manage blood bank supplies.

Military and Defense:
Protecting Teams, Easing Logistics

Military logistics are extremely complex. Labeling every asset with Zebra RFID and barcode solutions eases the admin burden on personnel, enabling them to understand exactly where assets are, and the condition they are in, with minimal manual intervention.

When it comes to maintaining safe and secure base operations, our solutions deliver essential real-time visibility into assets, processes, and people. Tamper-proof ID cards with integrated RFID chips, working with fixed RFID readers, enable robust building access control. Meanwhile, RFID solutions can also provide a continuous view of the locations of personnel and assets, and raise alarms if high-value or sensitive assets have moved beyond geo-fenced areas.

While maintenance is a huge undertaking in the military, our track and trace solutions can ease workflows across many applications. Zebra technology helps teams quickly locate and identify equipment to work on, accelerating inventory counts, enabling automatic re-ordering of equipment once stock levels fall below certain levels, and easy access to the correct manuals, procedures and blueprints. All thanks to a simple barcode scan that supports faster, more efficient and more effective work.

The visibility provided by Unique Identification (UID) labeling enables the electronic capture of information about every component of even the most complex military systems throughout their entire lifecycle, whether in deployment, transport, storage, or repair. The intelligent data made available to asset managers in this way can support all aspects of property use and maintenance, making knowledge-enabled logistics and reporting a reality.

Barcode labeling saves money across military and defense operations. Even the Department of Defense suggests that inexpensive barcode labeling is right for more than 80 percent of mandated items. Zebra's thermal transfer labeling solution is your easiest-to-use, lowest-cost UID marking alternative to expensive direct part marking, laser etching or data plates.

Education:
Securing Campuses, Enabling Efficiencies

Across education campuses ranging from schools and colleges to university facilities, Zebra printable RFID-encoded tags and access cards offer a simple way to identify students, staff and visitors, maintain real-time awareness of their whereabouts, and enable secure building access at all times. RFID technology can also be used to easily locate, run inventory checks on, and protect essential items of equipment.

Our all-in-one packing slips save almost 30 seconds per package, compared with traditional packing slips, enabling teams to better keep up with your educational shipping needs.

Out and about around campus, label and QR or barcode scans make it a breeze for campus security and parking officers to manage any necessary checks or print and issue e-citations.

Public Sector Labeling Solutions

Public sector agencies are under constant pressure. With so much riding on the performance of the labeling solutions you choose to use, it pays to ensure they adhere to the highest standards.

Emergency Services and Public Safety

Application	Labeling Solution	Material Type	Adhesive	Additional Information
Document tracking	Z-Select 2000T Removable (EMEA)	Matte top-coated paper label, thermal transfer (ribbon required)	Removable	Superior removability without adhesive residue on a wide variety of substrate. Adhesive has good UV-resistance and long-term removability.
Parking fines/ e-citations	8000D Receipt 10 Year receipt (EMEA) 20 Year receipt (NA & LATAM)	Paper	N/A	When printed to its optimum image density and handled and stored correctly, printed images will remain legible for 10 years. Specifically designed for applications where long-term archivability is required.
	8000D Synthetic Receipt (EMEA)	Synthetic	N/A	No ribbon required for direct thermal printing, therefore only one stock item needed. Specifically-developed varnish, to enhance the durability of the printed image.
	Polypro 4000D Receipt	Polypropylene	N/A	Waterproof and tearproof, thicker top-coated, synthetic. Suitable for outdoor applications.
Asset Tracking	Ironside Slim	High-quality engineered plastics	High-performance acrylic adhesive or mechanical fixing	Versatile and durable tag for global asset tracking applications, with excellent performance.
	Z-Ultimate 3000T	Gloss white top-coated polyester	Permanent acrylic adhesive	Smear- and scratch-resistant, ensuring clear and durable labeling. Robust resistance to both harsh chemicals and solvents, making it ideal for demanding environments.

Application	Labeling Solution	Material Type	Adhesive	Additional Information
Asset Tracking (continued)	Z-Select 2000T (EMEA)	Matte top-coated paper label	Permanent acrylic adhesive	Resistance to moisture, oils, and other environmental factors. BPA-free, latex-free adhesive.
	Z-Perform 1500T	Matte top-coated paper label	Permanent acrylic adhesive	With ZBR2100 Inlay, Resistance to moisture, oils, and other environmental factors. BPA-free, latex-free adhesive.
Patient care / team tracking	Z-Band Wristbands	Direct thermal white polypropylene	Closure	For single-day use with minimal water exposure.
	Z-Band UHF RFID Wristbands	Durable direct thermal, latex-free	Closure	These disposable RFID wristbands are specifically designed for optimal use with Zebra's ZD621R, ZD611R & ZD500R printers and Zebra RFID readers. Zebra's UHF RFID wristbands offer a wrist-banding solution to fit your RFID application, helping you better manage events or ensure positive patient identification.
	ID Cards	PVC plastic cards	N/A	Composite cards that provide a greater average lifespan. Customized, genuine Zebra cards with your choice of overt, covert or forensic security feature.

Healthcare

Application	Labeling Solution	Material Type	Adhesive	Additional Information
Patient Identification	Z-Band Direct RFID SR Wristband	Durable direct thermal, latex-free	ZBR2002 Inlay	Direct Thermal Wristband for use with ZD621R, ZD611R & ZD500R Printers and Zebra RFID Readers. Best for use cases where the wristband will be in close proximity to the RFID reader.
	Z-Band RFID XR Wristband	Durable direct thermal, latex-free	ZBR8102 Inlay	Direct Thermal Wristband for use with ZD621R, ZD611R & ZD500R Printers and Zebra RFID Readers. Uniquely developed with a specialty inlay designed for use against the human body. The design allows the wristband to flag away from the body, enabling longer read ranges. Ideal for use when overhead readers or portals are being used to provide best last-known location tracking abilities.
Cryogenic Applications	8000T CryoCool (NA and LATAM only)	Thermal transfer polypropylene	Permanent acrylic	Designed for deep freezing applications in medical labs and hospitals, this polypropylene label with a cold-temp permanent acrylic adhesive offers extremely low temperature performance down to -320°F / 196°C.

Military and Defense

Application	Labeling Solution	Material Type	Adhesive	Additional Information
Asset Tracking	RFID Laundry Tag (EMEA only)	Washable	Iron onto surface, sew into place, or enclose within seam or small bag	NXP Ucode 9, 96-bit, EPC Gen2v2. Operating temperature: 40°C to 85°C.
	Silverline Blade II	On-metal RFID label	High-tack adhesive with excellent adhesion to all surfaces	Thermal transfer RFID label pair with 5095 resin ribbon for use with Zebra's ZT411 on-metal RFID Printer.
	RFID Ironside Classic	High-quality engineering plastics. Surface thermoplastic elastomer	3M 300LSE high-performance acrylic adhesive or structural adhesives 3M DP110 and Sikafast 5215 high-bond strength	RAIN RFID / EPCglobal Gen2v2, IMPINJ M780™ , EPC 496 bit, User 128 bit, TID 96 bit.
Supply Chain / Warehousing	Z-Essentials 540T	Thermal transfer top-coated paper label	Permanent acrylic	Z-Essentials paper barcode labels are designed for mass-market applications and offer exceptional value. The Z-Essential 540T is an economical choice for high-volume applications, such as shipping labels, food labeling, work-in-process labeling, and other similar uses.
UID Labeling	Z-Ultimate 4000T (White/Silver) with 5100 ribbon	Gloss polyester	Permanent acrylic	Corrugate, paper, packaging films, metal, glass. Indoor or outdoor, up to 3 years. Moisture, abrasion, weak to moderate chemicals. Type II, Grade A B and C, Style 1, Composition b.

Application	Labeling Solution	Material Type	Adhesive	Additional Information
UID Labeling (continued)	Z-Extreme 5000T with Image Lock	Matte polyester	High-tack permanent acrylic	Corrugate, paper, packaging films, metal, glass. Indoor or outdoor, up to 3 years. Type II, Grade A B and C, Style 1, Composition b.
	8000T Ultra High-Tack Matte with 5095 ribbon	Matte polyester	High-tack permanent acrylic	Corrugate, paper, packaging films, metal, glass, rough surfaces. Moisture, weak to moderate Chemicals. Indoor or outdoor, up to 3 years. Type II, Grade A B and C, Style 1, Composition b.
	8000T Piggyback Clear Matte with 6100 ribbon	Gloss/matte polyester combination	Permanent acrylic	Corrugate, paper, packaging films, metal, glass. Indoor or outdoor, up to 5 years. Moisture, abrasion, weak to harsh chemicals. Type II, Grade A B and C, Style 1, Composition b.

Zebra has confirmed compliance with Mil-PRF-61002B through independent lab testing for the following classifications:

Type II, Grade A, Style 1, Composition b (compliance dependent on solvents and heat-aging specified in the Contract or Order)

Type II, Grade B, Style 1, Composition b

Type II, Grade C, Style 1, Composition b

Reference:

Type II= Blank Rolls

Grade A= Multiple Durability Requirements

Grade B = Adhesion, Abrasion, and W-Condensation only

Grade C = Adhesion Only

Style 1 = Non-Porous Surfaces

Composition b = Plastic (with or without laminate) includes materials such as polyester, Mylar, vinyl, etc.

Education

Application	Labeling Solution	Material Type	Adhesive	Additional Information
Secure Access	Access cards	PVC plastic cards	N/A	Access control cards for identification and facility access for K-12 and higher education campuses.
Shipping	Z-Slip	Paper tag with clear polypropylene label	All-temp, acrylic-based	All-in-one packing slip solution that replaces the traditional packing slip. Save almost 30 seconds per package and better keep up with educational shipping needs.
RFID	ZBR2100	N/A	N/A	With a high-performance chip, the ZBR2100 enables RFID read ranges of up to 20 meters in free space. Designed and tested for optimal performance it streamlines operations with accurate asset tracking and identification, and helps maximize asset utilization.

TAA Compliant Products

Zebra provides many products that are TAA compliant. For a full list of TAA compliant products, please talk to an authorized partner or Zebra sales associate.

Highest-Quality, Certified Supplies

Only the toughest, most consistent, highest-performing supplies earn the Zebra name. We manufacture, select and test each one using a 23-point check, with labels engineered from specialized materials to withstand the environment in which they will be used. From ID cards that must be legible for decades, to labels that must stay affixed in the most demanding places such as medical fridges and freezers, operational bases, roadside emergencies, deserts and beyond.

Print Sustainably, Print Zebra

As the leader in industrial printing, Zebra is constantly inventing new ways to enhance sustainability. As well as reducing packaging, cutting manufacturing emissions, and extending the life of our products, our R&D experts are always working to further improve product design to reduce waste. A good example of this innovation in action is the development of Zebra ZeroLiner linerless supplies. The liner for labels typically ends up in a landfill site. Linerless printing eliminates this waste, with the added bonus of making room for 50% more labels on rolls.

For more information, visit **www.zebra.com/supplies**

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