







# **SUPPLY CHAIN SOLUTIONS**

www.cssi.com

### **ABOUT US**

Are you seeking to improve productivity and profits in your business? CSSI Technologies, Inc. will guide you in the integration of critical new mobile computing and data capture technologies for the supply chain. We specialize in consulting with customers like you to create custom-fit solutions for manufacturing, warehousing, distribution, transportation and logistics.

CSSI also provides a broad range of additional services such as Mobile Device Management, Windows-Android migration, and modernization of legacy Telnet screens. We offer a team of full-stack software developers who can create applications customized to enhance your business processes. We've developed software solutions such as:

- · Warehouse management systems
- · Proof of delivery systems
- Quality tracking systems
- Conversion of paper forms to digital
- EDI and data integration and migration

### Does your IT team lack experience with Android?

CSSI offers <u>Device Lifecycle Management</u>, a cutting-edge program which removes the burden of Android device support from your IT team. With this offering, CSSI will configure and provision new mobile devices so that you can immediately deploy new arrivals into your operating environment – and as Android updates occur, we will work behind the scenes to keep your devices up to date. Inquire with CSSI to learn more.

### Start your journey to greater productivity today!

Contact CSSI at:



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### Vertical Overview

## TRANSPORTATION & LOGISTICS

Transportation and logistics are essential components to your enterprise's productivity. Whether by air, ground, or sea, access to real-time data and always-on communications are critical. With specialized technology designed for each logistical category, you can accelerate productivity, profitability, and operations.



### **Clear Communication with Drivers Anytime, Anywhere**

Our Fleet Management and Delivery Operation Solutions allow you to proactively maintain your fleet, track driver and vehicle performance, and ensure compliance mandates are being met.



### **Proactive Response To Customer Demand**

Keep up with and proactively respond to customer demand, inventory turnover, and regulatory requirements with warehouse management solutions designed for warehouse operations and highly specialized supply chains.



### **Improved Operational Efficiency**

Instantly track shipment contents, direct drivers to the next best dock, reduce idling and wait times, and improve turnaround times.

### Solution

# **Pickup and Delivery**

Speed delivery times, ensure proof of delivery, and provide easy access to manifest details.

Our mobile technology combined with our partner applications gives drivers the ability to scan packages to dynamically record their deliveries, electronically capture signatures, and take photos for proof of delivery. Real-time visibility into delivery cycles allows workers to instantly access the day's manifest, accurately document all delivery information, and make more deliveries.

With reliable communications on the road, dispatch can easily notify drivers about a new delivery destination, change in route, or emergency pickup with voice, push-to-talk (PTT) services, and text messaging.



### **SUPPORTING PRODUCTS**



### **HANDHELD COMPUTERS**

Single-device simplicity designed for field workers results in handheld technology that extends organizational knowledge instantly and accurately.



### **BARCODE LABEL SUPPLIES**

Barcode labels are a critical mechanism for operational efficiency, but not all thermal labels are created equal. Zebra's stock and custom supplies are high-quality, pre-tested, and proven reliable so you can be confident that your labels will be readable and scannable.



### **ZQ500 SERIES**

Boost the efficiency and productivity of your mobile workforce with our compact, lightweight, and rugged ZQ500 Series mobile printers—perfect for pickup and delivery operations. The ZQ500 Series allows mobile workers to visit more customers and serve them in less time, with fewer trips to the vehicle.

### Solution

# Fleet Management

Count on our efficient fleet management solutions to meet the demands of rising fuel costs, compliance mandates, and increased customer service expectations. Our solutions allow you to communicate with your drivers anytime and anywhere, proactively repair and maintain your fleet, and track driver and vehicle performance.

Real-time visibility into driver and vehicle performance provides information on where your drivers are located and at what speed they are driving. Identify excessive idling, accurately schedule load pickups, and deploy the most appropriate truck to the closest customer.



Our mobile solutions enable your drivers to take on-thespot transactions, instantly correct any mistake, and place correction orders. The same system can allow customers to track their shipments online.

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### RS5100

The RS5100 sets a new standard for single-finger rugged Bluetooth ring scanners. Workers get featherweight comfort, maximum ease-of-use, plus reliable point-and-shoot scanning on every barcode. The RS5100's rugged design is built for industrial environments like the warehouse and manufacturing floor, while its modern design and small footprint make it equally suited for customer-facing areas.



### **BARCODE LABEL SUPPLIES**

Barcode labels are a critical mechanism for operational efficiency, but not all thermal labels are created equal. Zebra's stock and custom supplies are high-quality, pre-tested, and proven reliable so you can be confident that your labels will be readable and scannable.



### **L10 TABLET PLATFORM**

The Zebra L10 rugged platform offers a variety of tablet configurations and a shared accessory ecosystem that sets a new standard in office, vehicle, and field-based computing.

Whether your mobile workers prefer a slate tablet (XSLATE L10), a tablet with a hard-handle and built-in barcode reader option (XPAD L10), or a 2-in-1 laptop/tablet with a full-featured keyboard (XBOOK L10), the functional flexibility of the Zebra L10 ensures the right computing tool for the job. Find performance, security, connectivity, and accessory options in one rugged mobile computer platform.

### Solution

# Voice-Directed and Multi-Modal Picking

Our voice solutions help workers get the right product to the right customer in the least amount of time. Using the power of voice, scanning, and visual cues, workers can perform their work hands-free and without looking up from their task. Voice solutions deliver 99 percent accuracy, improve overall warehouse productivity by at least 10 percent, and dramatically improve safety. Enterprises who make use of these solutions can expect beneficial results:

- Increased accuracy
- Quick and accurate location of supplies
- Streamlined picking processes



### **SUPPORTING PRODUCTS**



### **WEARABLE COMPUTERS**

Our lightweight, yet rugged wearable computers are built with the latest data capture and voice technology. They keep workers' hands and eyes on the task at hand.



### RS5100

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### **ZQ600 SERIES**

The ZQ600 Series delivers all the features needed to maximize associate productivity and customer service. This premium mobile printer takes productivity, ease-of-use, and manageability to a new level with a large color display, fast 802.11ac and Bluetooth 4.1 wireless connections, class-leading battery technology, and powerful remote management tools.



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### Solution

# **Receiving and Sortation**

Our Warehouse Receiving and Sortation solutions combine our mobile technology with our partner applications to enable you to electronically capture data in real time, communicate it to your Warehouse Management System (WMS), and use ASN and GS1 information to reconcile order details quickly upon receipt of shipment. With these new warehouse sorting capabilities, you can ensure traceability for inbound materials and accelerate the identification of shortages, discrepancies, or damages before they

negatively impact your downstream warehouse processes as well as your ability to respond to customer demand and forecast future inventory needs. Lower your costs with more efficient inventory counts. Reduce errors and oversights resulting from managing your inventory manually. Increase staff productivity through the automation of time-consuming inventory management processes, and improve your ability to respond to customer demand.

### **SUPPORTING PRODUCTS**



### MC9300 MOBILE COMPUTER

The MC9300 is the Android evolution of the industry's most ultra-rugged mobile computer. It is designed to meet the demands of the on-demand economy. With better ergonomics, the MC9300 allows more orders to be filled with increased speed and accuracy. Its modern Android platform provides future-proof technology with pre-loaded Terminal Emulation and easy migration to modern, touch-based apps for training in minutes.



### **RUGGED SCANNERS**

Rugged handheld scanners combine industryleading data capture technology with an exterior that is virtually impervious to damage.



### **INDUSTRIAL PRINTERS**

For improved asset tracking with high-volume printing, we offer rugged industrial printers. Barcode label printing made easy, especially for asset tagging, warehouse labels, and packing slips.



### **MOBILITY DNA**

Mobility DNA is a comprehensive suite of applications, utilities, and development tools to provide our customers with enterprise-grade capabilities. Designed specifically for Zebra Mobile Computers, the off-the-shelf, end-user apps, robust administration utilities, and effortless app development tools help you connect every strand of your mobility platform:

- Simplified deployment
- Reduced time, cost, risk, and complexity
- Increased ROI
- Improved productivity
- Increased customer satisfaction



### **BARCODE LABEL SUPPLIES**

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### IQ COLOR LABELS

Reduce the instances of mis-sortations and improve profitability by creating visual cues or highlighting important information in color on-demand, using Zebra's exclusive IQ Color labels and any Zebra printer.

### Solution

# **Packing and Staging**

Equipping your warehouse staff with voice recognition, multi-modal, and hands-free scanning functionality lets you replace error-prone manual processes and enable your workers to multi-task. Combined with RFID, which provides automatic tracking of materials and assets without human intervention, you can ensure all upstream processes in your warehouse have been performed correctly during the final link in the supply chain between you and your customers.

Through either wearable or fixed-mount presentation technologies, your workers at the packing, warehouse, or loading stages will be able to focus on their jobs and your products, driving improvements in productivity.

With the right mix of data capture options, you have the flexibility and range to continue to evolve and mature your operations, regardless of whether you use 1D or 2D barcodes or RFID. And with the right mix of mobile, wireless, and data capture technologies, packers, stagers, and loaders can help you achieve flawless fulfillment for your customers.

### **SUPPORTING PRODUCTS**



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### **ZT40**0

The ZT400 Series RFID printer/encoder offers advanced features for reliable printing and encoding, even in tough environments. Gain a competitive edge with greater tracking abilities, deeper visibility, and enterprise insights.



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### Solution

# Yard Management

Our Yard Management solutions help you achieve peak efficiency with visibility into everything associated with the trailers that arrive and depart the yard—from the type of freight they are hauling to the urgency of each load. Instantly track shipment contents, direct drivers to the best dock, reduce wait times, and improve turnaround times.

Our RFID tags capture inbound trailer-load information at the gate and relay it to a central office to quickly prioritize shipments and process dock-door assignments. You can also make use of real-time information to detect excessive vehicle speed, unnecessary idling, and improper shifting. This data can help you lower fuel usage and insurance costs, as well as prioritize receiving and cross-docking activities.



### **SUPPORTING PRODUCTS**



### VC80X

The VC80x Vehicle-Mounted Computer is built to provide the real-time information your workforce needs to get the job done fast and done right—in warehouse aisles, out in the yard, or in a freezer. You get productivity, ingeniously engineered with all the features needed for truly flawless fulfillment in the most demanding environments.



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### **MOBILE PRINTERS**

Our mobile printers provide portable printing for all your field worker documentation and labeling needs. For example, proof-of-service documents, payment receipts, and asset tags are just a small sample of applications supported.



### **VERSATILE RUGGED TABLET PLATFORM**

The Zebra L10 rugged platform offers a variety of tablet configurations and a shared accessory ecosystem that sets a new standard in office, vehicle, and field-based computing.

Whether your mobile workers prefer a slate tablet (XSLATE L10), a tablet with a hard-handle and built-in barcode reader option (XPAD L10), or a 2-in-1 laptop/tablet with a full-featured keyboard (XBOOK L10), the functional flexibility of the Zebra L10 ensures the right computing tool for the job. Find performance, security, connectivity, and accessory options in one rugged mobile computer platform.

### Solution

# RFID Transportation Solutions

Travel and transportation impacts a wide spectrum of industries, and the demand to transport assets more efficiently is greater today than ever before. Whether you need to reduce the incidences of lost luggage, improve passenger security, or enhance the visibility of goods in motion, we can provide the ideal RFID solution for your application needs.



### **SUPPORTING PRODUCTS**



### MC3300R

The MC3300R is a high-performance, highly rugged RFID handheld reader targeted for use in very demanding applications and environments. Push-to-talk capabilities and Wi-Fi-enabled WorkForce Connect mean colleagues can communicate instantly, from the back of the store to the front. Warm-swap batteries virtually eliminate downtime, so your workforce can literally power through shifts. The MC3300 is efficiency, connectivity, and productivity in one innovative package.



### **FX7500**

The new FX7500 Fixed RFID Reader introduces advanced RFID radio technology for faster, more accurate read rates and more consistent performance, even in challenging environments. The new radio is paired with a more flexible Linux-based network architecture that integrates the tools and open-standard interfaces needed for fast, easy deployment with RFID and back-end applications.



### **ZD500R**

Small in size but full of features, the ZD500R is Link-OS-enabled making it simple to integrate and manage. With automatic calibration, you will enjoy lower media cost, less waste, and fewer roll changes. Featuring UHF RFID encoding capabilities, it is ideal for numerous applications such as retail tagging as well as manufacturing, government, and healthcare tracking.



### ATR7000

The ATR7000 is a new class of RFID reader that provides visibility into the pinpoint location of all your tagged assets. Now, with this advanced Zebra-only RFID technology, you can not only see where your inventory, forklifts, equipment, workers and other assets are located, but you can also see if they're on the move and which direction they're moving.

### Vertical Overview

## **MANUFACTURING**

Building efficiency. Growing economies. These are the goals of manufacturers. To make these a reality, manufacturers need technology solutions that connect them to the real-time enterprise asset intelligence they need to shave off seconds, drive down defects, and work more safely.

The right solutions should allow manufacturers to do the following:



# Connect Operators, Technicians, and Machines with Intelligent Production

To streamline operations, you need a workforce that can communicate with each other, with the machines they operate, and with the materials they process, in real time. Our solutions create deeper, broader integration points across manufacturing processes, so you can enhance safety, increase quality, and consistently surpass production targets.



### **Convert Inventory into Revenue with Flawless Fulfillment**

The more visibility you have, the faster you turn inventory into revenue. Count on our solutions to capture, verify, and mobilize the data you need to more accurately fill internal and external customer orders with held inventory, so you can turn products into revenue quickly and flawlessly.



### **Build Customer Loyalty with Dynamic Service**

To customers, field workers are the face of your operation. With that in mind, help your field operations personnel deliver a higher level of service at a lower cost per interaction, with devices and applications that dynamically connect them to one another, to your supply chain, and to your customers—all in real time.

### Solution

# **Field Mobility**

Your field workers are your primary touch point with your customers. Their work directly impacts customer satisfaction and perception of your brand. How can you equip technicians to best handle the chaotic nature of the field, as well as troubleshoot and solve complex problems quickly to keep your total cost to serve down?

Real-time voice and data connections to the field allow you to optimize utilization of both your workforce and your vehicle fleet as well as communication with customers to manage expectations, improving overall customer satisfaction. Mobile computers and data capture tools empower workers with the information and tools they need to increase efficiency:



- Work faster
- Track and bill all labor, parts, and materials used
- Meet contractual obligations
- Grow your business during service calls through up-sell or cross-sell opportunities.

By positioning technicians where they are needed most and equipping them with the intelligence they need to quickly resolve any situation, you can ensure every technician can become your best technician.

### **SUPPORTING PRODUCTS**



### **TC77 ANDROID™ TOUCH COMPUTERS**

The TC77 is the ultimate in ultra-rugged, all-touch computing. With rugged construction, the TC77 is durable and works in all weather conditions. It has an advanced touch screen with sunlight readability, a long battery life (up to 14 hours), and lightning-fast capture of 1D/2D barcodes. Achieve peak efficiency and trouble-free reliability with the TC77.



### **BARCODE LABEL SUPPLIES**

Barcode labels are a critical mechanism for operational efficiency, but not all thermal labels are created equal. Zebra's stock and custom supplies are high-quality, pre-tested, and proven reliable so you can be confident that your labels will be readable and scannable.



### **MOBILE PRINTERS**

Our mobile printers provide portable printing for all your field worker documentation and labeling needs. For example, proof-of-service documents, payment receipts, and asset tags are just a small sample of applications supported.



### **MOBILITY DNA**

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- Simplified deployment
- · Reduced time, cost, risk, and complexity
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- Improved productivity
- Increased customer satisfaction

### Solution

# Inventory and Materials Management

There is a constant and critical need to move materials into, within, and out of warehouses, distribution centers, and plants. Doing this efficiently is critical to the success of your business—operating at anything less than peak efficiency will result in longer cycle times and higher cost of goods sold, and can ultimately impact your ability to compete.

Our Inventory and Materials Management solutions provide real-time inventory visibility by quickly and accurately capturing data using mobile computers, advanced barcode scanners, and RFID readers. Electronic picking orders are sent instantly to the mobile device, so workers can respond quickly to changes in production demands. Errors and bottlenecks are reduced by ensuring materials are stored in the right location and the right products are picked to replenish raw materials on the plant floor or to fulfill customer orders. Enhanced visibility and real-time



processes enable you to increase inventory turns, lower operating costs, and enhance customer satisfaction. The result?

- Improved overall material handling efficiency, reducing labor costs
- Reduced inventory stocking-level requirements and storage costs
- Enabled efficient and accurate material tracking across all processes
- Increased return on assets and inventory turns
- · Increased quality of finished goods
- Improved shipping accuracy

### **SUPPORTING PRODUCTS**



### **HANDHELD COMPUTERS**

Single-device simplicity designed for manufacturing results in handheld technology that extends organizational knowledge instantly and accurately.



### **WEARABLE COMPUTERS**

Our lightweight, yet rugged wearable computers are built with the latest data capture and voice technology. They keep workers' hands and eyes on the task at hand.



### **RUGGED TABLETS**

Rugged tablets have stronger durability, faster performance, and tougher enterprise security. Rugged tablets overcome the most extreme and demanding environments and have the latest processors and more memory. Rugged tablets provide leading-edge security features and options that ensure the strongest possible protection for devices and data, such as multifactor authentication and fingerprint security.



### **RFID PRINTERS**

Our RFID printers print with traceable RFID tags to optimize supply chain management. From desktop to industrial printers, RFID printers can solve a variety of business applications.



### **INDUSTRIAL PRINTERS**

For improved asset tracking with high-volume printing, we offer rugged industrial printers. Barcode label printing made easy, especially for asset tagging, warehouse labels, and packing slips.



### **DESKTOP PRINTERS**

Our desktop printers are great for printing shipping or receiving labels as well as inventory or work-in-process tags. These tabletop printers are ideal for small- to mid-volume printing.



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### LOCATIONING SOLUTIONS/IES MESSAGE

See into your entire operation with Zebra realtime location services and VisibilityIQ™. Get clear, comprehensive data on any asset, object, or worker, including data-driven, actionable insights to help you improve your mobile operations and get the most from your mobile devices, workers, and mobile workflows.

### Solution

# **Mobile Operator**

How do you maximize productivity and ensure overall efficiency on your production floor, using fewer and less experienced workers? How can you ensure accuracy when workers have to rely on error-prone paper-and-pencil methods to document operator rounds?

With our Mobile Operator Solutions, operators can access information from their machines and control systems directly on their mobile devices, ensuring equipment and operations are properly monitored.



This results in many benefits:

- Reduced paperwork and errors
- Timely completion of operator rounds
- Reduced equipment downtime
- Enhanced line change flexibility
- Improved workforce productivity
- Reduced scrap metal

### **SUPPORTING PRODUCTS**



### HANDHELD COMPUTERS

Single-device simplicity designed for field workers results in handheld technology that extends organizational knowledge instantly and accurately.



### **VISUALIZATION & HMI**

Our broad portfolio for the manufacturing industry extends the value of Rockwell Visualization & HMI and Control Systems solutions through mobility, communications, and data capture.



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### Solution

# Quality and Traceability

From the moment raw materials are received to the moment finished goods are shipped, you need to track and trace parts or ingredients to safeguard quality and compliance. Knowing when defects are present, determining what caused them, and identifying which lots or batches are affected by them is crucial to minimizing risk, protecting your customer relationships, and driving accountability with suppliers.

The following Quality and Traceability solutions are designed to automate the capture of data to ensure your customer always receives the right product, manufactured the right way. Combining mobile computers, advanced barcode scanners, RFID readers, and an electronic record of materials, your workers can provide efficient, error-proof track and trace for parts or ingredients at every point in the manufacturing



process, or even after delivery to the customer. With quality production processes standardized on mobile computers and instantly visible inspection results, you can expect to reap benefits:

- Gain better control over the quality of your products
- Prevent costly rework due to process or material non-compliance
- Protect consumer safety and customer satisfaction
- Enable cost-efficient regulatory compliance
- Enhance vendor/supplier accountability

Also, in the event of faulty or contaminated materials, this real-time information facilitates identification and quarantine of defective products and materials, protecting your company from the financial and brand impacts associated with a large-scale product recall.

### **SUPPORTING PRODUCTS**



### **HANDHELD COMPUTERS**

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### **INDUSTRIAL PRINTERS**

We offer a variety of high-volume industrial printers to improve asset tracking. Barcode labeling made easy, especially for product quality, inventory, and other product labeling needs.



### **RFID READERS**

From the warehouse and loading dock, a mobile, handheld, or fixed RFID reader can help you achieve maximum visibility into your enterprise assets.



### **MOBILITY DNA**

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### **RUGGED SCANNERS**

Our rugged handheld scanners combine industryleading data capture technology with an exterior that is virtually impervious to damage.

### Solution

# Safety and Environmental

Keeping compliant with evolving safety and environmental regulations and achieving more successful audits can be a challenge, especially when paper-based processes and spreadsheets used to track data are labor intensive and error-prone, making it difficult to guarantee auditable records.

Our portfolio of Safety and Environmental solutions utilize mobile computers, tablets, and other products to help identify issues, determine root causes, and establish electronic paper trails for remediation. The process of



monitoring, collecting, and aggregating data is efficiently automated by using mobile computers and barcode scanners, effectively eliminating any human data-entry errors. Workers are able to receive continuous training from their mobile device as it reinforces appropriate actions and processes during their normal shift. Mobile solutions also facilitate notification of supervisors and response teams of emergency situations with just the push of a button.

### **SUPPORTING PRODUCTS**



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### **RFID READERS**

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### **RUGGED SCANNERS**

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Reduced time, cost, risk, and complexity

Increased ROI

Improved productivity

Increased customer satisfaction



### **WEARABLE COMPUTERS**

Our lightweight, yet rugged wearable computers are built with the latest data capture and voice technology. They keep workers' hands and eyes on the task at hand.

### Solution

# Ensure High Device Visibility and Availability with OneCare

In a busy work environment, the best devices will eventually wear down. And even in the best of circumstances, accidents will happen.

The cost of unexpected downtime negatively affects the success of your business and your return on investment. How can you ensure you get the most from your printers and your enterprise devices?

Zebra OneCare offers comprehensive support for all our products—and takes traditional break-fix support to the next level.

In addition to providing unparalleled from-the-manufacturer product expertise, OneCare offers three tiers of service and plenty of add-on options, ensuring you will find a OneCare offering that will meet your service requirements and your budget. That way, no matter what your operations require or your budget allows, you can keep devices where they matter most—functioning in the hands of workers.

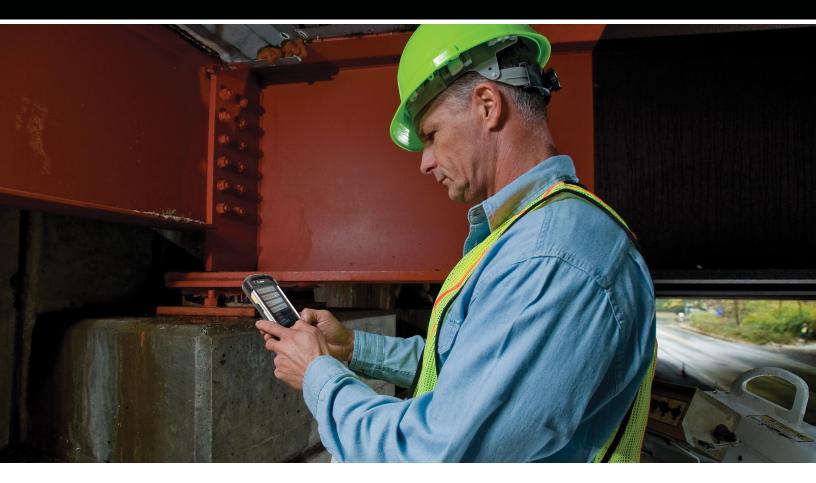












# **Mobilize Your Front Line**

Introducing the new TC57 and TC77 touch computers.

Get your workforce moving with the new TC57 and TC77 touch computers from Zebra. They're both fully supported by the newly upgraded Mobility DNA, a suite of business, management, productivity and development tools. And robust 4G LTE WWAN keeps your workforce connected—and capable.







# Meet The Demand Without Disruption

Introducing the new Zebra MC9300 ultra-rugged Android mobile computer.



Reach the next level of efficiency with the new Zebra MC9300. With better ergonomics, workers get the power of 10 percent more productivity\* in their hands. Its modern Android platform gives you future-proof technology you can count on. Because it is an evolution of the MC9000 Series, you get a familiar form factor, pre-loaded Terminal Emulation, and easy migration to modern, touch-based apps for training in minutes. Empower your front-line workforce to capture their edge.





<sup>\*</sup> Performance improvements measured by a third-party testing laboratory comparing competitive devices.



# **Built to Thrive and Survive**

All Day, Every Day High-Performance Rugged Tablets

## L10 Fully Rugged Tablet Platform

The L10 is a rugged and extremely powerful 10.1" tablet PC platform that delivers industry-leading computing performance and ultra-rugged mobility.

- Three configurable designs for your unique workflows
- Ideal for mission-critical professionals in any location
- Shared set of integrated accessories across devices







