

# TC8000 Touch Computer

A revolutionary design delivers revolutionary productivity gains... one more hour, per worker, per shift.

What makes the TC8000 so special? Everything. It's the ground-breaking all new warehouse mobile computer designed to deliver revolutionary productivity increases in the warehouse. In fact, it saves 14%\* per worker versus the traditional form factors. And it's the only device on the market that simplifies it all — how your workers physically use the device and interact with your warehouse application. The TC8000 minimizes motion with an innovative scan angle that eliminates the thousands of times your workers need to tilt their device to see the screen. We integrated flexible handheld and hands-free scanning for an extra productivity boost — another industry handheld first. It's an amazing 33 percent lighter than the traditional device to minimize fatigue. And then we did something completely unprecedented by a device manufacturer — we integrated a tool that allows you to automatically transform your legacy Terminal Emulation (TE) "green screens" into elegant, graphics-based All-touch TE screens that are not only highly intuitive, but also dramatically reduce the number of interactions required to complete a task — no coding and no modifications to your host application are required. The result? Less time to complete the job and increased productivity. The TC8000 — the next big thing in warehouse mobility, only from Zebra.



## Superior Ergonomics for Superior Productivity and Worker Comfort

The new scan angle eliminates the constant tilting that traditional designs require to view the screen, increasing productivity by 14% through a 55% reduction in wrist motion and a 15% reduction in muscle effort.

## Mx — Making Android a More Robust Enterprise-class OS

Mobility Extensions (Mx) adds features that make Android™ a more robust enterprise-class OS, minimizing support time and maximizing worker productivity and device uptime by providing better control of mobile devices, application access and Wi-Fi performance and security.

## Rugged and Ready for Your Warehouse

The super-rugged design is built for the challenging warehouse environment. With our most extreme impact ratings, the TC8000 operates reliably, even after 2,000 consecutive hits when tumbling and multiple 8 ft./2.4 m drops to concrete. The TC8000 is sealed, ready to handle jetting water and dust. And the TC8000 is built to handle constant temperature swings between extreme heat and cold — ideal in outside yards.

## Triple-shift Battery Power and Unsurpassed Battery Management

With the largest battery in its class, the TC8000 has ample power for three shifts. The PowerPrecision+ battery provides extensive battery metrics that make it easy to spot and retire aging batteries that can no longer hold a full charge. And the battery can be changed in seconds — without powering down.



**Increase worker productivity by 14% in your warehouse with the TC8000.**

For more information, visit [www.zebra.com/tc8000](http://www.zebra.com/tc8000)  
or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

### **Capture Multiple Barcodes and Entire Forms with a Single Scan with SimulScan**

SimulScan makes it easy to capture labels on boxes and pallets that contain many barcodes, plus text fields, check boxes, signatures and more on printed forms.

### **An Industry First — Hands-free Proximity Scanning with a Handheld Device**

The imager can be automatically triggered by the proximity sensor, whether the TC8000 is worn in the hip holster, on the shoulder strap or in the cart or desktop mount. Two modes are available — close-up scanning from near contact to 6 in./15 cm and from contact to 1.96 ft./60 cm.

### **Advanced Barcode Scanning Options**

If you need long range 1D/2D scanning, handle all your scanning needs with the extended range SE4850. Capture barcodes from 3 in./7.62 cm to 70 ft./21.4 m away — up to 60% closer and 35% farther than the competition. And with an industry-leading field of view, wide 4 in./ 10.16 cm wide barcodes can be captured at just 7 in./17.78 cm — nearly one third of the distance of competitive devices. Our SE4750 SR and MR imager are ideal for standard and mid-range scanning. Both the SE4850 and SE4750 offer Zebra's proprietary PRZM Intelligent Imaging technology for unparalleled performance on just about any type of data imaginable. And our 'tried and true' 1D SE965 engine offers Adaptive Scanning technology that delivers the widest working range in its class. All options capture barcodes in practically any condition.

### **Transform "Green Screens" to All-touch Screens — No Coding or Host Modification**

All-touch TE gives the front end of your Terminal Emulation apps a smart and intuitive touch interface, automatically — and your legacy TE green screens are always available to workers at the press of button. Create custom keyboards for different application screens to simplify data entry. And All-touch TE is pre-loaded and pre-licensed, ready to boost productivity right out of the box.

### **Advanced Touchscreen Technology for Flexible Data Input**

With our industry leading touch screen technology, workers can use a finger, a stylus or a gloved finger to interact with your apps, complete with multi-touch support.

# Specifications

## Physical and Environmental Characteristics

|                 |                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions      | 9.17 in. L x 2.99 in. W x 2.52 in. D<br>233 mm L x 76 mm W x 64 mm D                                                                       |
| Weight          | Standard: 17.2 oz./490 g; Premium: 17.6 oz./500 g                                                                                          |
| Display         | 800 x 480 pixels; 4.0 in. diagonal; transfective LCD display; 16.7 Million (24-bit) color support; 400 NITs                                |
| Touch Panel     | Multi-touch projected capacitive; fingertip (bare or gloved) input; conductive stylus supported (sold separately); Corning® Gorilla® Glass |
| Power           | PowerPrecision+ Lithium ion 6700 mAh with hot swap battery backup                                                                          |
| Notifications   | Audible tone, multi-color LEDs, vibration                                                                                                  |
| Keypad          | On-screen keypad                                                                                                                           |
| Voice and Audio | Dual speakers, Bluetooth wireless headset support                                                                                          |
| Expansion       | USB, Serial for ISV developers (optional)                                                                                                  |

## Performance Characteristics

|                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| CPU              | Dual core 1.7 GHz processor                                                                                                             |
| Operating System | Android AOSP 5.1.x (Lollipop) with Mobility Extensions (Mx)                                                                             |
| Memory           | Standard model: 1GB RAM/4 GB Flash pSLC<br>Premium model: 1 GB RAM/8 GB Flash pSLC<br>Premium model optional: 2 GB RAM/16 GB Flash pSLC |
| Storage          | SDXC compliant micro SD card slot                                                                                                       |
| App Development  | EMDK available through Zebra Support Central Web site                                                                                   |

## Data Capture

|                  |                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scanning Options | SE965: 1D standard range scan engine<br>SE4750 SR or MR: Standard or medium range omnidirectional 1D/2D imaging engine<br>SE4850 ER: Extended range 1D/2D imaging engine |
| Camera           | 8MP autofocus, f/2.4 aperture (optional)                                                                                                                                 |
| NFC              | Multi-protocol NFC (optional)                                                                                                                                            |

## Zebra Interactive Sensor Technology

|               |                                                   |
|---------------|---------------------------------------------------|
| Light Sensor  | Automatically adjusts display backlight           |
| Motion Sensor | 3-axis accelerometer; 3-axis gyroscope (optional) |
| Navigation    | Digital compass (optional)                        |
| Proximity     | Sensor for auto hands free scanning               |

## Wireless LAN

|                         |                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radio                   | IEEE 802.11a/b/g/n/d/h/i                                                                                                                                  |
| Data Rates              | 5GHz: 802.11a/n — up to 150 Mbps; 2.4GHz: 802.11b/g/n — up to 72.2 Mbps                                                                                   |
| Operating Channels      | Chan 36 - 165 (5180 - 5825 MHz); Chan 1 - 13 (2412 - 2472 MHz); Actual operating channels/frequencies depend on regulatory rules and certification agency |
| Security and Encryption | WEP, WPA - TKIP, WPA2- TKIP, WPA2-TKIP AES EAP TTLS, PAP, MSCHAP, MSCHAP v2, PEAPv0-MSCHAPv2, PEAPv1- EAP-GTC, EAP-TLS, EAP-FAST, LEAP                    |
| Multimedia              | Wi-Fi Multimedia™ (WMM)                                                                                                                                   |
| Certifications          | 802.11n, WMM, WMM-PS, CCXv4, Wifi Direct, Wi-Fi Display (Miracast)                                                                                        |
| Fast Roam               | PMKID caching, Cisco CCKM, OKC, 802.11r                                                                                                                   |
| Network Connections     | Bluetooth; USB 2.0 OTG Host docking interface; 802.11r and 802.11k for enterprise voice roaming included                                                  |

## Wireless PAN

|           |                                             |
|-----------|---------------------------------------------|
| Bluetooth | Bluetooth 4.0 (Bluetooth® Smart technology) |
|-----------|---------------------------------------------|

## Peripherals and Accessories

Visit [www.zebra.com/tc8000](http://www.zebra.com/tc8000) for a complete list of accessories and peripherals.

## Warranty

Subject to the terms of Zebra's hardware warranty statement, the product is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to: <https://www.zebra.com/warranty>

## Recommended Services

Zebra OneCare

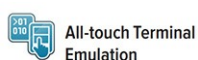
## Footnotes

\* Results are dependent upon use case and scan frequency.

## Additional Mobility DNA Solutions

Mobility DNA solutions help you get more value out of our mobile computers by adding functionality as well as simplifying deployment and management of our mobile devices. For more information on these Zebra-only features, please visit [www.zebra.com/mobilitydna](http://www.zebra.com/mobilitydna)

Available Mobility DNA features may vary by model.



## Markets and Applications

### Warehousing/Distribution

- Warehouse management
- Truck unload/load
- Picking
- Put away
- Replenishment
- Packing
- Shipping
- Returns processing
- EDI transactions
- Yard management

### Retail

- Back of store/warehouse management
- Price audits/changes
- Store receiving
- Inventory management
- In-store communications

### Manufacturing

- Inventory management
- Supply-line replenishment
- Parts tracking
- Maintenance/repair operations
- Shop floor communications
- Compliance verification
- Receiving/put away/shipping

### Third-party Logistics

- Warehouse management

## User Environment

|                               |                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temp.               | -4° F to 122° F/-20° C to 50° C                                                                                                                            |
| Storage Temp.                 | -40° F to 158° F/-40° C to 70° C                                                                                                                           |
| Humidity                      | 5% - 95% non condensing (condensing resistant optional)                                                                                                    |
| Drop Spec.                    | Multiple 8 ft./2.4 m drop to concrete at room temperature per MIL-STD 810G ; multiple 6 ft./1.8 m drop to concrete across full operating temperature range |
| Tumble Spec.                  | 2,000 3.28 ft./1 m tumbles                                                                                                                                 |
| Sealing                       | IP65                                                                                                                                                       |
| Vibration                     | Sine 5-2000 Hz, 4g peak, 1 hour per axis; random 20-2000 Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis                                                          |
| Thermal Shock                 | -40° F to 158° F/-40° C to 70° C rapid transition                                                                                                          |
| Scanner Window                | Corning® Gorilla® Glass                                                                                                                                    |
| Electrostatic Discharge (ESD) | ±20kVdc air discharge; ±10kVdc direct discharge; ±10kVdc indirect discharge                                                                                |