



# ZEBRA TC70 TOUCH COMPUTER

## YOUR FRONT LINE, TO A SMARTER ENTERPRISE

Your employees need enterprise class handheld computers to communicate and access information seamlessly in order to work more efficiently and better serve your customers ' yet they want a device that is every bit as refined and easy-to-use as their own consumer devices. Now, you can give them both with the TC70. Extensions (Mx) turns Android™ into a true enterprise-class operating system. The rugged design holds up even in the most demanding environments and the TC70 can double as a two-way radio. You can automate the capture of just about any type of business intelligence with the embedded scanner and camera. The full complement of accessories and cutting edge technology will serve your business for years to come, for an unsurpassed return on investment. Better serve your customers in retail, manufacturing, and operations with the TC70. Real competitive advantage ' delivered.

### Android™ KitKat ' fortified for the enterprise

Every TC70 ships with Extensions (Mx), a series of features that transform Android™ from a consumer operating system (OS) to a true enterprise-class OS, enabling enterprise-class security and device management, as well as support for enterprise data capture capabilities.

### Maximum data entry flexibility with an industry leading dual mode touch panel

Let your users choose their preferred data input pair: finger and gloved finger or finger and stylus ' ideal for crisp signature capture. The intelligent display automatically adjusts as needed, unlike competitive devices that require setting adjustments every time the user switches data input method. And the large 4.7 in. display takes the capacitive touch experience to the next level ' it works even if it's wet.

### World-class data capture

## BOOST EFFICIENCY AND CUSTOMER SERVICE WITH THE TC70 IN:

### Retail

- Associates:
  - Price checks
  - Inventory checks
  - Item locator
  - Price changes/price audits
  - Line busting
  - Assisted selling
  - Product comparison
  - Electronic coupons( mobile phone displays)
  - Market research
  - Store inventory transfers
  - Gift registry lookup
  - Financial/loyalty applications
  - Click and mortar/ catalogue orders
  - Training
- Mobile payment
- Inventory management
- Voice communications
- Managers
  - Workforce management
  - Planogram management
  - Promotion compliance
  - Merchandising

Give your employees the tools they need to work faster and smarter. The integrated enterprise-class imager offers Zebra's proprietary PRZM Intelligent Imaging technology, a megapixel sensor and advanced optics, which work together to deliver data capture performance in a class of its own. Workers can capture 1-D and 2-D bar codes in virtually any condition, at lightning speed. The 8 MP camera enables the easy capture of high-resolution photos, signatures, videos and more, allowing you to capture more types of business intelligence to streamline more business processes. The front camera allows workers to place a video call to get the help they need ' and provide customers with that personal touch. And Near Field Communications (NFC) is ideal for automated identity validation at facility entry points.

#### **Comprehensive audio functionality for a new level of voice flexibility**

With up to four times the loudness of popular smartphones and noise cancelling technology, the TC70 provides crystal clear audio on both ends of every call. Support for Workforce Connect Push-to-Talk Express allows you to easily give your workers walkie-talkie style voice communications right out of the box, creating a highly collaborative workforce that can respond instantly to customer needs.

#### **A robust accessory family to tailor the TC70 to meet any enterprise need**

The comprehensive family of accessories includes a snap-on magnetic stripe reader for mobile payment, a holster, a hand strap, a snap-on trigger handle and more, allowing you to easily tailor the TC70 to meet the needs of many different types of users performing many different types of tasks. And multi-slot battery chargers and the unique ShareCradle ' a multi-slot cradle that can accommodate the TC70 and future Zebra mobile computers ' make backroom management easy and cost effective.

#### **Rugged and ready for all-day every day enterprise use**

The TC70 is ready for the demands of everyday life in the business world. The TC70 is tested and proven to operate reliably after multiple 6 ft./1.8 m drops to concrete and 2,000 consecutive 3.2 ft./1 m tumbles in our punishing tumble test. With IP67 sealing, you get a device that is dust-tight and can survive complete immersion in water, making it ideal for use in the retail backroom, warehouse floor, in outdoor shopping areas or outside on a receiving dock. The Corning Gorilla Glass 2 touch panel and scanner exit window bring a new level of durability to two of the most vulnerable components.

## **THE TC70 ' THE PROFESSIONAL GRADE ANDROID™ DEVICE FOR THE ENTERPRISE**

For more information, visit [www.zebra.com/tc70](http://www.zebra.com/tc70) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

#### **Manufacturing**

- Asset management
- Building maintenance
- Supervisor/manager tasks
  - Workforce management
  - Supplier management
  - Management of customer data
  - Management of product information

# SPECIFICATIONS CHART

## PHYSICAL CHARACTERISTICS

**Dimensions** 6.3 in. L x 3.3 in. W x 1.1 in. D  
161 mm L x 84 mm W x 28 mm D

**Weight** 13.3 oz./376 g

**Display** 4.7 in. High Definition (1280 x 720); exceptionally bright, outdoor viewable; optically bonded to touch panel

**Imager Window** Corning Gorilla Glass 2

**Touchpanel** Dual mode capacitive touch with stylus or bare or gloved fingertip input (conductive stylus sold separately); Corning Gorilla Glass 2

**Backlight** LED backlight

**Power**  PowerPrecision: Li-Ion 3.7 V, 4620 mAh

**Expansion Slot** User accessible 32 GB microSD slot with SDHC and SDXC support

**Network Connections** USB 2.0 High Speed (host and client); WLAN

**Notification** Audible tone; multi-color LEDs; vibration

**Keypad** On-screen keypad

**Voice and Audio** Three microphone support with noise cancellation; vibrate alert; speaker; Bluetooth wireless headset support

## PERFORMANCE CHARACTERISTICS

**CPU** 1.7 GHz dual core processor

**Operating System** Android™ AOSP 4.4.2 (KitKat)

**Memory** 1 GB RAM / 8 GB Flash pSLC

## 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

## ZEBRA INTERACTIVE SENSOR TECHNOLOGY (IST)

**Light Sensor** Automatically adjusts display backlight

**Motion Sensor** 3-axis accelerometer for dynamic screen orientation

## DATA CAPTURE\*

**Scanning** SE4750 imager (1-D and 2-D); extraordinary range: Scan range ' Code 39 bar code:  
20 Mil: 1.8 in. ' 32.0 in./4.5 cm ' 81.3 cm  
3 Mil: 3.1 in. ' 5.6 in./7.9 cm ' 14.2 cm

**Camera** Rear ' 8 MP autofocus; f/2.4 aperture  
Front ' 1.3 MP fixed focus

**NFC** Supports ISO 14443 Type A & B, FeliCa, and ISO 15963 tags

## 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 (40 or 104 bit) ; WPA/WPA2 Personal (TKIP, and AES); WPA/WPA2 Enterprise (TKIP, and AES) ' EAPTTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PE APv0- MSCHAPv2, PE APv1 -EAP-GTC, EAP Fast and LEAP

**Multimedia** Wi-Fi Multimedia<sup>®</sup> (WMM)

**Certifications** WFA (802.11n, WMM), Cisco CCXv4, Wi-Fi

Humidity	5% to 85% non-condensing
Drop Spec.	6 ft./1.8 m drop to concrete across full operating temperature range, 8 ft./2.4 m drop to concrete at room temperature per MIL-STD 810G
Tumble Spec.	2,000 3.2 ft./1.0 m tumbles; meets and exceeds IEC tumble specifications
Sealing	IP67 per applicable IEC sealing specifications
Vibration	4 g's PK Sine (5 Hz to 2 kHz); 0.04g <sup>2</sup> /Hz Random (20 Hz to 2 kHz); 60 minute duration per axis, 3 axis
Thermal Shock	-40° F to 158° F/-40° C to 70° C rapid transition
Electrostatic Discharge (ESD)	+/-15kVdc air discharge, +/-8kVdc direct discharge; +/-8kVdc indirect discharge

## COMMUNICATION AND MESSAGING

 Workforce Connect Push-to-Talk Express Client (included) for instant push-to-talk communications right out of the box

## AUDIO

High quality speaker phone with up to 108 dB SPL volume; wireless (Bluetooth) headset support; PTT headset support; handset/speakerphone modes



**Fast Roam** PMKID caching, Cisco CCKM

## WIRELESS PAN

**Bluetooth** Bluetooth v4.0 (Bluetooth® Smart technology)

## PERIPHERALS AND ACCESSORIES



The 5-slot flexible ShareCradle charges the TC70 and other Zebra mobile computers for cost effective backroom management  
For a complete list of accessories, visit [www.zebra.com/tc70](http://www.zebra.com/tc70)

## REGULATORY

Visit [www.zebra.com/tc70](http://www.zebra.com/tc70) for regulatory information

## WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the TC70 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit: <http://www.zebra.com/warranty>

## SERVICES

Service from the Start with Comprehensive Coverage: A unique service that covers normal wear and tear as well as accidental damage to internal and external components.

\* Please refer to the TC70 User Guide or Integrator Guide for full data capture specifications.



**ZEBRA**

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ZEBRA TECHNOLOGIES