

# SPECIFICATIONS

## ZEBRA TC53/TC58 MOBILE COMPUTERS

**TC53: WI-FI ONLY**

**TC58: WI-FI + CELLULAR (4G LTE)**



### PHYSICAL CHARACTERISTICS

#### Dimensions:

6.48 in. (L) x 3.04 in. (W) x 0.66 in. (H)  
164.8 mm (L) x 77.35 mm (W) x 16.75 mm (H)

#### Weight:

10.3 oz./293 g with standard battery

**Display:** 6.0 in. Full High Definition; 1080x 2160; LED back-light; 600 NITS; optically bonded to touch panel

**Imager Window:** Corning™ Gorilla™ Glass

#### Touch Panel:

Multi-mode capacitive touch with bare or gloved fingertip input or conductive stylus (sold separately), Corning Gorilla Glass; water droplet rejection; fingerprint resistant anti-smudge coating

#### Power:

Rechargeable Li-Ion, PowerPrecision+ for real-time battery metrics; Standard capacity: 4680 mAh (18.01 Watt hours); Extended capacity: 7000 mAh (26.95 Watt hours); BLE battery: 4680 mAh; Qi compatible Wireless charge battery: 4680 mAh; fast charging Warm Swap battery mode (standard SKUs); Hot Swap battery mode (premium SKUs)

**Expansion Slot:** User accessible MicroSD card supports up to 2 TB

**SIM:** TC58 only: 1 Nano SIM and 1 eSIM

#### Network Connections:

TC53: WLAN, WPAN (Bluetooth), TC58 only: WWAN 5G

**Notifications:** Audible tone; multi-colour LEDs; haptic feedback

**Keypad:** On-screen keypad and enterprise keyboard

#### Voice and Audio:

Three microphones with noise cancellation; vibrate alert; dual speakers for loudness; Bluetooth wireless headset support; high quality speaker phone; PTT headset (3.5 mm and Zebra USB-C) support; cellular circuit switch voice; HD voice; Super-wideband (SWB) and Fullband (FB) audio; 3.5 mm audio jack only on WLAN SKUs

#### Buttons:

Programmable buttons for maximum flexibility; dual dedicated scan buttons, dedicated push-to-talk button, volume up/down buttons and trigger button of trigger handle via Back I/O

#### Interface ports:

USB 2.0 (Back I/O - Host Only), USB 3.0 (Bottom Type C) - Super Speed (Host and Client)

### PERFORMANCE CHARACTERISTICS

**CPU:** Qualcomm 6490 octa-core, 2.7 GHz

**Operating System:** Android

#### Memory:

4GB RAM/64GB UFS Flash; 8GB RAM/64GB UFS Flash; 8GB RAM/128GB UFS Flash

### USER ENVIRONMENT

**Operating Temperature:** -4°F to 122°F/-20°C to 50°C

**Storage Temperature:** -40°F to 158°F/-40°C to 70°C

**Humidity:** 5-95% non-condensing

**Sealing:** IP68 and IP65 with battery per applicable IEC sealing specifications

#### Drop Specification:

Multiple 6 ft./1.8 m drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) with protective boot per MIL STD 810H;

Multiple 5 ft./1.5 m drops to tile over concrete (-10°C to 50°C/14°F to 122°F) per MIL STD 810H

#### Tumble Specification:

1000 1.6 ft./0.5 m tumbles at room temperature without protective boot, meets or exceeds IEC tumble specification; 1000 3.2 ft./1.0 m tumbles at room temperature with protective boot, meets or exceeds IEC tumble specification

#### Electrostatic Discharge:

+/-15 kV air discharge, +/-8 kV direct discharge; +/-8 kV indirect discharge

### AUTOMATED INTERACTIVE SENSOR TECHNOLOGY (IST)

**Light Sensor:** Adjusts display backlight brightness

#### Magnetometer:

eCompass to detect direction and orientation (not available in the base LAN model)

**Motion Sensor:** 3-axis accelerometer with MEMS Gyro

**Pressure Sensor:** Detects altitude information for locating

#### Proximity Sensor:

Disables display output and touch input when placed against head during a call

**Gyro:** Senses linear orientation

### DATA CAPTURE

#### Scanning:

SE55 1D/2D Advanced Range Scan Engine with IntelliFocus™ technology; SE4720 1D/2D Scan Engine

**Camera:** Front-8 MP; Rear-16 MP autofocus; flash LED generates balanced white light; supports Torch mode + HDR (standard); Optical Image Stabilization (OIS) (premium SKUs only), Time of Flight (ToF) Sensor (premium SKUs only)

#### NFC:

ISO 14443 Type A and B; FeliCa and ISO 15693 cards; Card Emulation via Host; Contactless payment support, ECP1.0 and ECP2.0 polling support, Apple VAS certified, NFC Forum Certified, and Google Smart Tap Ready

## THE BOWE IQ SOFTWARE EFFECT

While BOWE IQ's mobile computers are available as a standalone product, they really come into their own when embedded into an intelligent BOWE IQ Cloud software ecosystem with all the necessary functions for asset tracking, inventory management, work-in-process, and/or workflow design. Its versatility also means that customers can start with a basic installation and easily scale upwards as needs evolve.

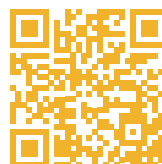


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