

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

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.

CONTACT US TO DISCUSS:

T +44 (0)1484 556996 E sales.iq@bowe.com

bowe.com/iq

BOWE IQ, Underbank Mills, Dunford Road, Holmfirth, West Yorkshire HD9 2AR

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



Follow us on LinkedIn

