SPECIFICATIONS
ZEBRA TC73/TC78 MOBILE COMPUTERS

TC73: WI-FI ONLY
TC78: WI-FI + CELLULAR

PHYSICAL CHARACTERISTICS

Dimensions:
6.96 in. (L) x 3.38 in. (W) x 1.12 in. (H)/176.8 mm (L) x 85.8 mm (W) x 28.4 mm (H); Grip area: 3.179 in. (W) x 0.80 in. (H)/80.75 mm (W) x 20.3 mm (H)

Weight:
12.3 oz./349 g with standard battery

Display: 6.0-inch Full High Definition+ (1080 X 2160); LED backlight; optically bonded to touch panel

Imager Window: Corning™ Gorilla™ Glass

Touch Panel:
Multimode 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: TC78 only: 1 Nano SIM and 1 eSIM

Network Connections:
TC73: WLAN, WPAN (Bluetooth) **TC78 only:** WWAN 5G

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

Keypad: On-screen keypad and Zebra enterprise keyboard

Voice and Audio:
Built-in microphones for noise suppression and stereo record; vibrate alert; Dual speakers for loudness; Bluetooth wireless headset support; PTT headset (Zebra USB-C) support; High quality stereophonic speaker phone; Cellular Circuit Switch voice; HD voice; VoLTE EVS; VoIP incl. SWB Audio

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

Drop Specification:
Multiple 10 ft./3.05 m drops to concrete at room temp per MIL-STD 810H
Multiple 8 ft./2.4 m drops to concrete over operating temp -20°C to 50°C per MIL-STD 810H

Tumble Specification:
2000 3.3 ft./1.0 m tumbles, meets or exceeds IEC tumble specifications

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

Vibration:
4 g's PK Sine (5 Hz to 2 kHz); 0.04 g 2/Hz Random (20 Hz to 2 kHz); 60-minute duration per axis, 3 axis

Electrostatic Discharge:
+/- 15 kVdc air discharge; +/- 8 kVdc direct discharge; +/- 8 kVdc indirect discharge

AUTOMATED INTERACTIVE SENSOR TECHNOLOGY (IST)

Light Sensor: Adjusts display backlight brightness

Magnetometer: Detects direction and orientation

Motion Sensor: 3-axis accelerometer with MEMS Gyro

Pressure Sensor: Detects altitude information for locating

Proximity Sensor:
Detects when the user places the handset against head during a phone call to disable display output and touch input

Gyro: Senses linear orientation

DATA CAPTURE

Scanning:
SE55 1D/2D Advanced Range Scan Engine with IntelliFocus™ technology; SE4770 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 Stabilisation (OIS) (premium SKUs only), Time of Flight (ToF) Sensor (premium SKUs only)

NFC:
NFC ISO 14443 Type A and B; Mifare, FeliCa and ISO 15693 cards, NFC Forum tags 2,3,4,5; Host Card Emulation, Contactless Payment Support, VAS (Value Added Services) and Wallet support, Apple ECP1.0 and ECP2.0, Apple VAS and Google Smart Tap certified, VAS Library/SDK

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.
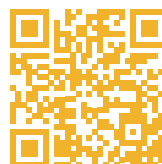

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