

ZEBRA TC25 HANDHELD

Robust Smart Phone for Small Businesses



The Zebra TC25 handheld is a robust industrial smart-phone with powerful scanner and large display.



AT A GLANCE

- Android Nougat 7.X
- Quality scanner for fast point-and-shoot capture of electronic and printed barcodes
- Robust and ready for daily use in the company
- Capacitive touch panel, multi-touch

SPECIAL REQUIREMENTS

The TC25 is based on the look, feel and operation of typical consumer smartphones and thus offers the usual ease of use.

TYPICAL APPLICATION AREA

The industrial handheld is designed to meet the daily demands of field service and for many years of use. Drops rain, extreme cold or spilled liquids do not make the rugged TC25 a repair case. This prevents failures and repair costs.

The PowerPack ensures that even when the battery is empty, working with the TC25 does not have to be stopped. An LED display informs reliably at any time about the remaining capacity of the PowerPack.

The TC25 is equipped with a Zebra scanner that conforms to industry standards and is manufactured by the company that invented the first scanner - Symbol Technologies.

Thus, the TC25 outperforms consumer smartphones in terms of scanning capacities. This is particularly noticeable when many scans have to be done consecutively or when difficult to read labels have to be scanned.

For the repeated permanent capture of larger amounts of barcodes, a practical scan handle is optionally available.

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TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

- **Dimensions:** 134 mm L x 73.1 mm W x 16 mm D
- **Gewicht:** 195 g
- **Display:** 4.3 in. color WVGA (800x480); LED backlight; Corning Gorilla Glass
- **Imager Window:** Corning Gorilla Glass
- **Touch Panel:** Capacitive Touch Panel; multi-touch
- **Power:** Non-removable / serviceable
Rechargeable Li-Ion: standard capacity, 3000mAh
Charge in under 4 hours (10 hours = 1 shift)
RTC backup
- **Expansion Slot:** One 128GB micro SD slot
- **SIM:** 1 Nano SIM slot
- **Network Connections:** 1 USB OTG - host/client (Type C connector)
- **Notifications:** Audible tone, multi-colored LEDs, vibration
- **Keypad:** On-screen keypad
- **Audio:** Speaker - 1 Watt (94dBA)
Voice support (Internal speaker/microphone)
Two (2) microphones
- **Buttons:** Scan on each side, Volume Up/Down, Power, push-to-talk (PTT) keys

PERFORMANCE CHARACTERISTICS

- **CPU:** QCOM MSM8937® 64-bit 8-Core, ARM® Cortex A53 1.4GHz, 512KB L2 cache, power-optimization
- **Operating System:** Android Nougat 7.X
- **Memory:** 2 GB RAM/16 GB Flash memory
- **Security:** Verified Boot

USER ENVIRONMENT

- **Operating Temperature:** -10 °C to 50 °C
- **Storage Temperature:** -40 °C to 70 °C
- **Drop Specifications:** Multiple 4 ft./1.2 m drop to tile over concrete per MIL-STD 810G at room temperature
- **Tumble Specifications:** 300 tumbles, 1.6 ft./0.5 m
- **Sealing:** IP65
- **Vibration:** 4G peak, 5Hz to 2kHz, 1 hour duration per axis
- **Thermal Shock:** -40°C to 70°C rapid transition
10 cycles: (1 cycle = 1.25 hours at -40°C and 1.25 hours at 70°C)
- **Electrostatic Discharge (ESD):** +/-15kv Air, +/-8kv contact +/-8kv charge body

INTERACTIVE SENSOR TECHNOLOGY (IST)

Accelerometer (3-axis), ambient light sensor, proximity sensor

DATA CAPTURE

- **Scanning:** SE2100 1D/2D-Imager
SE4710 1D/2D-Imager
- **Rear Camera:** 8MP autofocus color camera with flash

WIRELESS WAN DATA & VOICE COMMUNICATIONS

- **Radio Frequency Band:**
TC25 Americas:
 - LTE: B2, B4, B5, B12, B17
 - WCDMA: B2, B4, B5
 - GSM: 850,900,1800,1900
 TC25 Rest Of World:
 - LTE: B1, B3, B7, B8, B20, B28
 - WCDMA: B1, B5, B8
 - GSM: 850,900,1800,1900
 TC25 China:
 - LTE FDD: B1, B3
 - LTE TDD: B39, B40, B41
 - WCDMA: B1, B8
 - TDSCDMA B34, B39
(Diversity not supported)
 - GSM: 900,1800
- **Voice Communications:** Workforce Connect Push-to-Talk (PTT) Express (Integrated complimentary software application for instant PTT walkie-talkie style calls inside the four walls).
Workforce Connect Push-to-Talk (PTT) Pro (Optional easy-to-deploy subscriptions service that provides instant PTT walkie-talkie style calls inside and outside the four walls).
- **GPS:** GPS with A-GPS (Glonass, BeiDou)

WIRELESS LAN

- **WLAN Radio:** 802.11a/b/g/n/ac/d/r/h/i IPv4, IPv6
- **Data Rates:** 2,4 GHz: 20 MHz, 40 MHz
5 GHz: 20 MHz, 40 MHz, 80 MHz
- **Operating Channels:** 2.4 GHz (channels 1-13; 1-11(US))
5 GHz (channels 36-48, 52-64, 100-144, 149-165)
Actual operating channels/ frequencies and bandwidths depend on regulatory rules and certification agency.
- **Security and Encryption:** WPA/WPA2 (PSK & Enterprise 802.1x); EAP-TTLS; PEAPv0-MSCHAPv2; EAP-TLS

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TECHNICAL SPECIFICATIONS

Certifications: 802.11a/b/g/n; WPA; WPA2

Fast Roam: 802.11r

WIRELESS PAN

- **Bluetooth:** Bluetooth 4.2 BLE

MOBILITY DNA SOLUTIONS

- **Mobility Extensions (Mx)**
- **SmartDEX**
- **Lifeguard™ für Android™**
- **DataWedge**
- **StageNow**
- **EMM-Toolkit**
- **Enterprise Home Screen**

Mobility DNA is available on Android only. Features may vary by model and a Support Contract may be required. To learn what solutions are supported, please visit: <https://developer.zebra.com/mobilitydna>.

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the TC25 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: www.zebra.com/warranty.

RECOMMENDED SERVICES

Zebra OneCare™ SV