

TC51 — Ficha técnica

Resumen de especificaciones extraído de la ficha oficial en línea: TC51/TC56 Specification Sheet | Zebra | Zebra

Fuente oficial: <https://www.zebra.com/us/en/products/spec-sheets/mobile-computers/handheld/tc51-tc56.html>

Consulta y generación: 2026-08-05. Las especificaciones pueden variar por configuración y región.

Specifications

The Fastest, Most Dependable Wireless Connections Inside and Outside the Four Walls	A Complete Suite of Enterprise Accessories
The Wi-Fi enabled TC51 supports the fastest Wi-Fi connections with the most robust roaming support. The Wi-Fi and 4G LTE cellular-enabled TC56 keeps workers connected no matter where they are — in your facility or out in the field.	A trigger handle and a variety of holsters make it easy to use the TC51 and TC56 in just about any workflow. Backroom management is easier with the ShareCradle that can charge it all — device and batteries, plus convenient multi-slot chargers. With an Ethernet connection option available for ShareCradles, syncing data with backend applications is easy. And vehicle cradles are ideal for delivery drivers and technicians out in the field. For Direct Store Delivery, wireless Dex is now possible with the new easy to use DX30 Bluetooth Dex accessory.

Physical Characteristics

Dimensions	6.1 in. L x 2.9 in. W x 0.73 in. H 155 mm L x 75.5 mm W x 18.6 mm H
Weight	8.8 oz./249 g with battery
Display	5.0 in. High Definition (1280 x 720); exceptionally bright, outdoor viewable; optically bonded to touch panel, 600 NITS
Imager Window	Corning Gorilla Glass
Touchpanel	Dual mode capacitive touch with stylus or bare or gloved fingertip input (conductive stylus sold separately); Corning Gorilla Glass 5
Backlight	LED backlight
Power	Rechargeable Li-Ion, Power Precision + Standard Capacity, 4300 mAh typical/4030 mAh minimum; improved battery technology for longer cycle times and real-time visibility into battery metrics for better battery management; fast USB charging (500mA)
Expansion Slot	User accessible MicroSD up to 32GB SDHC and up to 128 GB SDXC
SIM	1 Nano SIM slot (TC56 only)
Network Connections	WWAN, WLAN, WPAN (Bluetooth)
Notification	Audible tone; multi-color LEDs; vibration
Keypad	On-screen keypad and enterprise keyboard
Voice and Audio	Two microphones with noise cancellation; vibrate alert; speaker; Bluetooth wireless headset support; High quality speaker phone; PTT headset support; cellular circuit switch voice; HD Voice
Buttons	Programmable back button; dual dedicated scan buttons; dedicated push-to-talk button, and volume up/down buttons

Performance Characteristics

CPU	Snapdragon 650 64-bit hexa-core 1.8GHz ARM Cortex A72, power optimization
Operating System	Android 8.1 Oreo
Memory	Standard: 2GB RAM/16GB Flash Optional: 4GB RAM/32GB Flash

User Environment

Operating Temperature	-4°F to 122°F/-20°C to 50°C
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Storage Temperature	-40°F to 158°F/-40°C to 70°C
Humidity	5% to 85% non-condensing
Drop Specifications	Multiple 4 ft./1.2 m to tile over concrete over -10°C to 50°C (14°F to 122°F) Multiple 6ft. drops to concrete with the rugged boot accessory per MIL STD 810 G
Tumble Specifications	500 1.6 ft./0.5 m tumbles, meets or exceeds IEC tumble specification
Sealing	IP67 and IP65 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
Thermal Shock	-40° F to 158° F/-40° C to 70° C rapid transition
Electrostatic Discharge (ESD)	+/-15kv Air; +/-8kv contact; +/-8kv charge body

Interactive Sensor Technology (IST)

Light Sensor	Automatically adjusts display backlight brightness
Motion Sensor	3-axis Accelerometer with MEMS Gyro
Proximity Sensor	Automatically detects when the user places the handset against head during a phone call to disable display output and touch input

Data Capture

Scanning	SE4710 imager (1D and 2D) with extraordinary range: Scan range – Code 39 barcode: 20 Mil: 1.8 in. to 32.0 in./4.5 cm to 81.3 cm 3 Mil: 3.1 in. to 5.6 in./7.9 cm to 14.2 cm
Camera	Rear — 13 MP autofocus; f/2.4 aperture; rear camera flash LED generates balanced white light; supports Torch mode
NFC	ISO 14443 Type A and B; F; FeliCa and ISO 15693 cards; P2P mode and Card Emulation via UICC and Host

Wireless Pan

Bluetooth	Class 2, Bluetooth v4.1 (Bluetooth® Smart technology); Bluetooth Wideband support HFPv1.6; Bluetooth v4.1 Low Energy (LE)
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Wireless Wan Data and Voice Communications (TC56 Only)

Radio Frequency Band	Worldwide: LTE: 700,800/900/1800/2100/2600 (FDD 28,20,8,3,1,7); UMTS/HSPA/HSPA+: 850/900/ AWS/1900/2100; GSM/GPRS/EDGE: 850/900/1800/1900 Americas: LTE: 700/850/1900/AWS, (FDD 13,12,17,5,2,4); UMTS/HSPA/HSPA+: 850, 900, AWS, 1900, 2100 GSM/GPRS/EDGE: 850/900/1800/1900; CDMA: 850,1900 (BC0, BC1)
GPS	TC56 only: Integrated; Autonomous; Assisted GPS (A-GPS); Navstar; GLONASS; BeiDou

Wireless Lan

Radio	IEEE 802.11a/b/g/n/ac/d/h/i/k/r/w; Wi-Fi™ certified; IPv4, IPv6; 2X2 MIMO (TC51 only) 1x1 SISO (for TC56)
Data Rates	5GHz: 802.11a/n/ac — up to 866.7 Mbps (up to 433.3Mbps for TC56) 2.4GHz: 802.11b/g/n — up to 144 Mbps (up to 72.2Mbps for TC56)
Operating Channels	Channel 1-13 (2412-2472 MHz); Chan 36-165 (5180-5825 MHz) Channel Bandwidth: 20, 40, 80 MHz Actual operating channels/ frequencies and bandwidths 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) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC and LEAP Data in Motion: FIPS 140-2 Level 1 Data at Rest: FIPS 140-2 Level 1
Certifications	WFA (802.11n, 802.11ac, WMM-AC, Voice Enterprise, WMM-PS), Miracast WFA (Mobile AP / Personal Hotspot) - TC56 only
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC