

TC53E — Ficha técnica

Resumen de especificaciones extraído de la ficha oficial en línea: TC53e TC53e-RFID TC58e Mobile Computers Specification Sheet | Zebra

Fuente oficial: <https://www.zebra.com/us/en/products/spec-sheets/mobile-computers/handheld/tc53e-tc53e-rfid-tc58e.html>

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

Specifications

Dimensions	6.48 in. L x 3.04 in. W x 0.66 in. H (164.8mm L x 77.35mm W x 16.75mm H)
Weight	9.9 oz (282g) 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
Backlight	LED
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
Expansion Slot	User accessible MicroSD card supports up to 2 TB
SIM	TC58e only: 1 nano SIM; 1 eSIM
Network Connections	WLAN, WPAN (Bluetooth), USB 2.0 (Back I/O - Host Only), USB 3.1 superspeed (Bottom Type C) - Super Speed (Host and Client); TC58e only: WWAN 5G
Notifications	Audible tone; multi-color LEDs; haptic feedback
Keypad	On-screen keypad and enterprise keyboard
Voice and Audio	Built-in microphones for AI 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 3.1 superspeed (Bottom Type C) - Super Speed (Host and Client)
CPU	Qualcomm 4490 Kryo octa-core, 2.4 GHz
Operating System	Android; for supported Android versions, visit: www.zebra.com/android-versions
Memory	6GB RAM/64GB UFS Flash; 8GB RAM/64GB UFS Flash; 8GB RAM/128GB UFS Flash
Security	FIPS 140-2 Validated (ISO 19790) and Common Criteria certified (ISO 15408); Supports Secure Boot and Verified Boot
Operating Temp.	-4F to +122F (-20C to +50C)
Storage Temp.	-40F to +158F (-40C to +70C)
Humidity	5% to 95% non-condensing
Sealing	IP68 and IP65 with battery per applicable IEC sealing specifications
Tumble Specification	1000 1.6 ft (0.5m) tumbles at room temperature without protective boot, meets or exceeds IEC tumble specification; 1000 3.2 ft (1.0m) tumbles at room temperature with protective boot, meets or exceeds IEC tumble specification
Drop Specifications	Exceeds per MIL-STD-810H: 8 ft (2.4m) to concrete with the boot; 6 ft (1.8m) to tile over concrete stand-alone terminal; 6 ft (1.8m) to concrete with the boot across temperature (+14F to +122F/-10C to +50C) exceeding MIL-STD-810H; 5 ft (1.5m) to tile over concrete across temperature (+14F to +122F/-10C to +50C) exceeding MIL-STD-810H
Electrostatic Discharge (ESD)	+/- 15 kV air discharge; +/- 8 kV direct discharge; +/- 8 kV indirect discharge

Scanning	SE55 1D/2D Advanced Range Scan Engine with IntelliFocus™ technology; SE4720 1D/2D Scan Engine; SE4770 1D/2D scan engine (TC58e only)
Camera	Front—8 MP; Rear—16 MP autofocus; flash LED generates balanced white light; supports Torch mode + HDR (standard)
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 – Front Tap NFC for optimized contactless payment, VAS (Value Added Services) and Wallet support, Apple ECP1.0 and ECP2.0, Apple VAS and Google Smart Tap certified, VAS Library/SDK, Secure Element* for enhanced Apple/Google VAS secure key management * Selected SKUs
Integrated RFID	Short range integrated UHF RFID; 4 ft (1.2m) range; reads 20 tags per second; EU 865-868MHz and US 902-928Mhz (TC53e-RFID only)
Bluetooth	Class 1 and Class 2, Bluetooth v5.3; secondary Bluetooth Low Energy (BLE) for beaconing within BLE battery
Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax; 2x2 MU-MIMO; Wi-Fi 6E (801.11ax); Wi-Fi certified; Wi-Fi 6E Certified; Dual Band Simultaneous; IPv4, IPv6
Data Rates	5GHz: 802.11a/n/ac/ax—20/40/80/160 MHz — up to 2402 Mbps; 2.4GHz: 802.11b/g/n/ax—20MHz up to 286.8 Mbps 6GHz: 802.11ax — 20/40/80/160 MHz — up to 2402 Mbps
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC
Operating Channels	Channel 1-13: (2412-2472 MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13; Channel 36-165: (5180-5825 MHz): 36,40, 44,48,52,56,60,64,100,104,108,112,116,120,124, 128, 132,136,140,144,149,153,157,161,165; Channel 1-233: (5925-7125 MHz); Channel Bandwidth: 20/40/80/160 MHz; NOTE: 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); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2); EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP, EAP-PWD); WWAN device only — EAP-SIM, EAP-AKA; WPA3 Enterprise 192-bit mode (GCMP256) — EAP-TLS; Enhanced Open (OWE)
Certifications	Wi-Fi Alliance Certifications: Wi-Fi CERTIFIED n; Wi-Fi CERTIFIED ac; Wi-Fi CERTIFIED 6; Wi-Fi CERTIFIED 6E; Wi-Fi Enhanced Open; WPA2-Personal; WPA2-Enterprise; WPA3-Personal; WPA3-Enterprise (includes 192-bit mode); Protected Management Frames; Wi-Fi Agile Multiband; WMM; WMM-Power Save; WMM-Admission Control; Voice-Enterprise; Wi-Fi Direct; QoS Management; OCE
GPS	GPS, GLONASS, Galileo, Beidou, QZSS Dual-Band GNSS — concurrent L1/G1/E1/B1 (GPS/QZSS, GLO, GAL, BeiDou) + L5/E5a/BDSB2a (GPS/QZSS, GAL, BeiDou); a-GPS; supports IZAT™ XTRA
Multimedia	Wi-Fi Multimedia™ (WMM) and WMM-PS; TSPEC
Radio Frequency Band2	North America: 5G FR1: n2/5/7/12/13/14/25/26/29/30/38/41/48/66/71/77/78; 4G: B2/4/5/7/12/13/14/17/25/26/29/30/38/41/48/66/71; 3G: B2/4/5; Rest of World: 5G FR1: n1/2/3/5/7/8/12/20/26/28/38/40/41/66/71/77/78; 4G: B1/2/3/4/5/7/8/12/17/18/20/26/28/38/39/40/41/42/43/66/71; 3G: 1/2/4/5/8; 2G: 850/900/1800/1900; China/Japan: 5G FR1: n1/3/5/7/8/28/38/40/41/77/78/79; 4G: B1/3/5/7/8/28/34/38/39/40/41/42; 3G: B1/5 Supports private networking (LTE/5G)