

ZEBRA

EC50 — Ficha técnica

Resumen de especificaciones extraído de la ficha oficial en línea: EC50/EC55 Enterprise Mobile Computer Specification Sheet | Zebra | Zebra

Fuente oficial: <https://www.zebra.com/us/en/products/spec-sheets/mobile-computers/handheld/ec50-ec55.html>

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

Physical Characteristics

Dimensions	With standard battery: 6.08 in. L x 2.99 in. W x 0.38 in. D 154.5 mm L x 76.0 mm W x 9.8 mm D With extended battery: 6.08 in. L x 2.99 in. W x 0.46 in. D 154.5 mm L x 76.0 mm W x 11.8 mm D
Weight	6.1 oz./173 g to 6.46 oz./183 g (SKU dependent with standard battery)
Display	5 in.; HD (720x1280)
Imager Window	Corning™ Gorilla™ Glass
Touch Panel	Corning™ Gorilla™ Glass; capacitive touch panel; multi-touch
Backlight	450 NITS, LED
Power	Standard battery: 3060 mAh Extended battery: 4180 mAh Charge times: 0 to ~25% in ~15 minutes; 0 to ~90% in less than two hours
Expansion Slot	One 128 GB micro SD slot
SIM Slots	EC55 only: 1x Nano SIM, 1x e-SIM (optional)
Network Connections	WWAN; WiFi, Ethernet cradle
Notifications	Audible tone; multi-color LEDs; vibration
Keypad	On-screen keypad and enterprise keyboard
Voice and Audio	1 watt speaker, receiver, PTT, voice support, 3 digital microphones, USB Type-C headset support
Buttons	Programmable; scan on each side; volume up/down; power; push-to-talk (PTT)3
Interface Ports	Bottom USB 2.0 OTG - host/client (Type-C), SKU dependent: 0, 2, or 8 pin rear connection

Performance Characteristics

CPU	Qualcomm SD660, 2.2 GHz Octa-core
Operating System	EC50: Upgradeable to Android 14 EC55: Upgradeable to Android 14
Memory (RAM/Flash)	3 GB/32 GB; 4 GB/64 GB

User Environment

Operating Temp.	14° F to 122° F/-10° C to +50° C
Storage Temp.	-40° F to 158° F/-40° C to +70° C
Humidity	5% to 95% non-condensing
Drop Specification	4 ft./1.2 m per MIL-STD-810G. With protective boot: 5 ft./1.5 m per MIL-STD-810G to concrete across operating temperature range
Tumble Specification	300 1.6 ft./0.5 meter tumbles at room temperature without protective boot 500 1.6 ft./0.5 meter tumbles at room temperature with protective boot
Sealing	IP67
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 (ESD)	+/-15 kV air discharge, +/-8 kV direct discharge; +/-8 kV indirect discharge

Interactive Sensor Technology (IST)

Light Sensor	Automatically adjusts display backlight brightness
Magnetometer	EC55 only: e-Compass
Motion Sensor	3-axis gyroscope, 3-axis accelerometer
Proximity Sensor	Automatically disables touch panel and turns off display in Handset mode (voice calls)

Data Capture

Scanning	SE4100; 1D/2D omnidirectional imager
Camera	Front — 5 MP fixed focus; f/2.0 aperture Rear — 13 MP autofocus; f/2.0 aperture; flash LED
NFC	Integrated; High RF output power; MIFARE, ISO 14443 A&B,; FeliCa , ISO 15693 and NFC Forum supported cards

Wireless WAN, Data and Voice Communications

WAN Radio Frequency Band (EC55 only)	LTE Category 11 EC55 Rest of World: LTE FDD: B1, B2, B3, B4, B5, B7, B8, B17, B19, B20, B28 LTE TDD: B38, B39, B40, B41 UMTS: B1, B2, B3, B4, B5, B8, B9, B19 GSM: 850, 900, 1800, 1900 EC55 North America: LTE FDD: B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B66 UMTS: B2, B4, B5 EC55 China: LTE FDD: B1, B3, B5, B7, B8 LTE TDD: B38, B39, B40, B41 UMTS: B1, B5, B8 GSM: 850, 900, 1800, 1900
GPS (EC55 only)	GPS with A-GPS: Glonass; BeiDou; Galileo

Wireless LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc; Wi-Fi™ certified; IPv4, IPv6, 2x2 MU-MIMO; soft AP
Data Rates	5 GHz: 802.11a/n/ac — up to 866.7 Mbps 2.4 GHz: 802.11b/g/n — up to 300 Mbps
Operating Channels	Channel 1-13 (2412-2472 MHz); Channel 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.EAP-PWD
Certifications	Wi-Fi™ certified
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC
Multimedia	Wi-Fi Multimedia™ (WMM) and WMM-PS

Wireless PAN

Bluetooth	Class 2, Bluetooth v5.0, Bluetooth Low Energy (BLE); secondary Bluetooth BLE beacon for finding lost (powered off) devices
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