

HC50 — Ficha técnica

Resumen de especificaciones extraído de la ficha oficial en línea: HC2X/HC5X Mobile Computers Specification Sheet | Zebra

Fuente oficial: <https://www.zebra.com/gb/en/products/spec-sheets/mobile-computers/healthcare/hc2x-hc5x.html>

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

Specifications

Dimensions	6.5 in L x 3.0 in W x 0.49 in D (165mm L x 76.3mm W x 12.5m D)
Weight	HC20/HC25: 8.4 oz (239g) HC50/HC55: 8.5 oz (242g)
Display	6.0 in. color Full High Definition+ (1080 x 2160), 450 NITS; Corning® Gorilla® Glass
Imager Window	Corning® Gorilla® Glass
Touch Panel	Multi mode capacitive touch with bare or light gloved fingertip input
Backlight	LED backlit
Power	User removable; rechargeable Li-Ion; 3800mAh/14.63Wh; standard capacity with BT BLE; PowerPrecision for real-time battery metrics; fast charge; true hot swap (HC50/HC55)
Expansion Slot	Supports up to 2TB MicroSD
SIM	HC25/HC55: 1 Nano SIM and 1 eSIM (except China)
Network Connections	WWAN (HC25/HC55), WLAN, WPAN, USB 3.1 (Bottom Type C) - Super Speed (host and client)
Notifications	Audible tone; multi-color LEDs; vibration
Keypad	On-screen keypad
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	Dual dedicated scan buttons; programmable button for PTT or other use; volume up/down
Safety/Alert	Red Duress Button with emergency dialer feature
CPU	Qualcomm® 5430 hex-core, 2.1 GHz
Operating System	Android; for supported Android versions, visit: www.zebra.com/android-versions
Memory	HC20/HC25: 6 GB RAM/64 GB UFS Flash HC50/HC55: 8 GB RAM/128 GB UFS Flash
Security	Product supports Secure Boot and Verified Boot
Operating Temperature	+14F to +122F (-10C to +50C)
Storage Temperature	-40F to +158F (-40C to +70C)
Humidity	5%-95% non-condensing
Drop Specification	Multiple 4 ft (1.25m) drops to tile over concrete across temperature (+14F to +122F/-10C to +50C) per MIL-STD 810H
Tumble Specification	500 tumbles, 1.6 ft (0.5m)
Sealing	IP68 and IP65, with battery per applicable IEC sealing specifications
Electrostatic Discharge (ESD)	+/- 15 kV air discharge; +/- 8 kV direct discharge; +/- 8 kV indirect discharge
Camera	Rear: 16 MP; HC50/HC55 only: Front 5 MP
Scanning	SE4720 1D/2D Scan Engine with White Illumination/Green Aimer3 Occasional barcode scanning available via camera; barcode decoding software included4
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

VOIP Communications	Workcloud Communication PTT Express simple push-to-talk calls over Wi-Fi (optional). Workcloud Communication PTT Pro enables instant push-to-talk calls over Wi-Fi and cellular (optional). Workcloud Communication Enterprise Voice allows HC2X/HC5X devices to double as fully-featured and customizable PBX mobile handsets (optional).
Radio	IEEE 802.11 a/b/g/n/ac/ax/d/h/i/r/k/v/w/mc; 2x2 MU-MIMO; Tri-band (2.4 GHz, 5 GHz, 6 GHz); Wi-Fi CERTIFIED 6™ (Wi-Fi 6E5); Dual Band Simultaneous; IPv4, IPv6
Data Rates	6 GHz: 802.11ax—20 MHz, 40 MHz, 80 MHz, 160MHz - up to 2402 Mbps; 5 GHz: 802.11a/n/ac/ax—20 MHz, 40 MHz, 80 MHz, 160 MHz - up to 2402 Mbps; 2.4 GHz: 802.11b/g/n/ax—20 MHz - up to 286.8 Mbps
Operating Channels	Channel 1-13 (2401-2483 MHz): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 Channel 36-165 (5150-5850 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 Actual operating channels/frequencies and bandwidths depend on regulatory rules and certification agency
Security and Encryption	WPA3 Enterprise 192-bit mode, GCMP256—EAP-TLS; WPA3 Enterprise, AES-CCMP-128—EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP, EAP-PWD; WPA3 Personal (SAE), AES-CCMP-128; WPA/WPA2 Enterprise, TKIP and AES-CCMP-128; WPA/WPA2 Personal (PSK), TKIP and AES-CCMP-128; Enhanced Open (OWE), AES-CCMP-128; WEP 40 bit and 104 bit
Fast Roam	802.11r Fast BSS Transition; PMK Caching; Cisco CCKM; OKC
Certifications	Wi-Fi Alliance Certifications: Wi-Fi CERTIFIED n; Wi-Fi CERTIFIED ac; Wi-Fi CERTIFIED 6 (Wi-Fi 6E); WPA2-Personal; WPA2-Enterprise; WPA3-Personal; WPA3-Enterprise (includes 192-bit mode); Protected Management Frames; Wi-Fi Enhanced Open; WMM (Wi-Fi Multimedia); WMM-Power Save; WMM-Admission Control; Voice-Enterprise; Wi-Fi Direct; Wi-Fi Agile Multiband; Wi-Fi QoS Management; Wi-Fi Optimized Connectivity; Passpoint
Frequency Bands	North America: 5G FR1: n2/5/7/12/13/14/25/26/29/38/41/48/66/71/77/78; 4G: B2/4/5/7/12/13/14/17/25/26/29/38/41/48/66/71; 3G: B2/4/5; Rest of World: 5G FR1: n1/2/3/5/7/8/20/28/38/40/41/66/71/77/78; 4G: B1/2/3/4/5/7/8/13/17/20/28/38/39/40/41/42/43/66/71; 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: B1/3/5/7/8/19/18/26/28/34/38/39/40/41/42; 3G: B1/5/6/8/19; 2G: 850/900/1800; Dual SIM/Dual Standby, VoLTE, Gigabit LTE-A, 5G NR Sub-6 (NSA, SA), LTE/NR Carrier Aggregation, supports private networking (LTE/5G)
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 XTRA
Bluetooth	Class 2, Bluetooth v5.2 with BLE beaconing