WT5400 Wearable Computer

Bring comfort and productivity to hands-free retail workflows

Give your store associates the hands-free freedom they need to pick more online orders, move inventory from dock to stock, re-stock front of store shelves and more with the WT5400 Wearable Computer. The WT5400 is a purpose-built wearable computer with all the right features at the right price for store associates. Designed from the ground up as a wearable computer, the WT5400

maximizes comfort and productivity in all-day hands-free use cases as an alternative to handheld computers mounted on the wrist. The lightweight, balanced and compact size makes wearing the WT5400 practically effortless — virtually eliminating arm fatigue. At just over a half inch thick, the low profile makes it easy to reach just about anywhere without obstruction. Maximize productivity with the large and bright 4.7 inch display. Now, everything workers need to complete a task can fit on one screen, so there's less scrolling, less navigating through application screens — and more work done in every shift. Versatile wrist straps ensure a custom fit on every arm for unmatched all-day comfort. A powerful modern platform provides the performance you need for today's applications and future-proofing for years to come. It's rugged and ready for all-day everyday use. And only-from-Zebra Mobility DNA tools simplify every aspect of device lifecycle for IT and your users.

Specifications

Physical Characteristics	
Dimensions	5.22 in. L x 3.66 in. W x 0.55 in. D 132.5 mm L x 93 mm W x 13.97 mm D
Weight	**Without battery:** 6.3 oz./177 g **With standard battery:** 8.7 oz./245 g
Display	4.7 in.; 720x1280; color display
Touch Panel	4.7 inch; multimode capacitive touch with bare or light gloved fingertip input
Power	**Standard battery:** typical capacity — 3500mAh **Extended battery:** typical capacity — 5000mAh
Network Connections	WLAN (Wi-Fi); WPAN (Bluetooth); USB 3.0 (super-speed client and host)
Notifications	Audible tone; multi-color LED; haptic feedback
Voice and Audio	Speaker; microphone; PTT voice
Buttons	Power button, 3 programmable buttons

Interface Ports	One (1) USB-C (USB 3.0); Two (2) charge pogo pads on each side
Performance Characteristics	
CPU	Qualcomm® QCS4490 octa-core; 2.4 GHz
Operating System	Android 13; upgradeable to Android 17
Memory	6 GB RAM; 64 GB Flash
Security	FIPS 140-2; Secure Boot; Verified Boot
User Environment	
Operating Temp.	-4 F to 122° F/-20° C to +50° C
Storage Temp.	-40° F to 158° F/-40° C to +70° C
Humidity	5% to 95%, non-condensing
Drop Spec.	Multiple 4 ft./1.2 m drop to concrete across the operating temperature of -4°F to +122°F/-20°C to +50°C per MIL-STD 810H. Enterprise drop standard 6 ft./1.8 m to concrete from 73°F to +122°F/23°C to +50°C per MIL-STD 810H

Tumble Spec.	1,000 Tumbles at 1.6 ft./0.5 m at room temperature
Sealing	IP65; IP67 with battery per applicable IEC sealing specifications
Vibration	4g PK Sine (5Hz to 2kHz); 0.04g 2/Hz Random (20 Hz to 2 kHz); 60 minutes duration per axis, 3 axis
Electrostatic Discharge (ESD)	+/- 15kV air discharge, +/- 8kV direct/indirect discharge

Interactive Sensor Technology (IST)

Light Sensor	Automatically adjusts display backlight brightness
Motion Sensor	3-axis accelerometer with MEMS Gyro

General Certifications

Android Enterprise Recommended (AER)	Yes

Data Capture

Scanning	Compatible with Zebra wearable scanners: RS2100, RS507, RS507X, RS5100, RS6000 and RS6100. The RS5100 and RS6100 can be powered by the WT5400 using the USB-C corded adapter, with communication over Bluetooth.
NFC	ISO 14443 Type A and B; FeliCa and ISO 15693 cards; NFC Forum cards 1 to 5

Wireless LAN

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)2; Wi-Fi CERTIFIED 6™ (Wi-Fi 6E); Dual Band Simultaneous; IPv4, IPv6
Data Rates	**2.4 GHz:** 802.11b/g/n/ax — 20 MHz - up to 286.8 Mbps; 5 GHz: 802.11a/n/ac/ax — 20 MHz, 40 MHz, 80 MHz, 160 MHz — up to 2402 Mbps; **6 GHz:** 802.11ax — 20 MHz, 40 MHz, 80 MHz, 160MHz — up to 2402 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, 50, 52, 56, 60, 64, 100, 104, 108, 112, 114, 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	WEP (40 or 104 bit); Enhanced Open (OWE); 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; WPA3 Enterprise 192-bit mode (GCMP256) - EAP-TLS; MC9450 only: EAP-SIM, EAP-AKA, EAP-AKA Prime
Certifications	Wi-Fi Alliance Certifications: Wi-Fi CERTIFIED; 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

Wireless PAN

Bluetooth	Class 1; Bluetooth v5.3

Warranty

Subject to the terms of Zebra's hardware warranty statement, the WT5400 is warranted against defects in workmanship and materials for a period of one (1) year from the date of shipment. For complete warranty statement, please visit www.zebra.com/warranty

Recommended Services

Zebra OneCare™ Essential and Select support services; Zebra Visibility Services — VisibilityIQ™ Foresight. For information on Zebra services, please visit www.zebra.com/services

Footnotes

Specifications are subject to change without notice.

Mobility DNA

Mobility DNA solutions help you get more value out of our mobile computers by adding functionality as well as simplifying deployment and management of our mobile devices. For more information on these Zebra-only features, please visit www.zebra.com/mobilitydna

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

The WT5400 is ideal for:

Retail

- Reverse logistics
- Price verification / updates
- Store receiving
- Online order fulfillment
- Backroom inventory management
- Front of store order picking

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