

WT6400 Wearable Computer

Increase workflow efficiency and workforce productivity in demanding environments with the next generation in hands-free wearable computing

The WT6400 is the latest breakthrough in Zebra’s wearable computer portfolio, packed with innovations that enable unmatched productivity increases in hands-free computing workflows. The WT6400 brings a new level of comfort, flexibility and ease of use to workers picking orders, sorting goods and managing inventory in the warehouse, distribution center and manufacturing plant. Compared to the WT6300, the touchscreen display area is over twice the size,¹ with only marginal increases in overall device size and weight. The result? A very compact, lightweight and well balanced device that provides plenty of space to view and

interact with the information needed to complete tasks. A model with an integrated keypad positioned under the display provides both right and left handed accessibility—and the keys are sized and spaced to enable easy manual data entry, even with heavy gloves. The side facing camera is positioned to enable workers to easily see the photo on the display before they capture the image. Pair with a Bluetooth wearable scanner or connect a corded scanner with the ruggedized interface port. The WT6400 can be used anywhere in your facility—including the freezer. The next generation future-proof platform delivers next generation processing power and support for future versions of Android. The rugged design is built to last for years. Versatile wrist straps enable a customized fit on any arm for maximum comfort. Workers can easily swap batteries without removing the device from the arm. And only-from-Zebra Mobility DNA tools simplify every aspect of device lifecycle for IT and your users. The WT6400—the ideal wearable computer to take productivity and workflow efficiency to the next level in your operations.



Specifications

Physical Characteristics	
Dimensions	Touch Only: 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 Touch + Keypad: 5.22 in. L x 4.21 in. W x 0.55 in. D 132.5 mm L x 107 mm W x 13.97 mm D
Weight	Without battery: Touch Only: 7.2 oz./205 g Touch + Keypad: 7.9 oz./223 g With standard battery: Touch Only: 9.8 oz./277 g Touch + Keypad: 10.4 oz./296 g With extended battery: Touch Only: 11.7 oz./331 g Touch + Keypad: 12.3 oz./350 g
Display	4.7 in.; 720x1280; color display
Touch Panel	Capacitive touch panel; finger, gloved finger or conductive stylus support; Corning® Gorilla® Glass Victus® 2
Power	Standard battery: typical capacity—3500mAh Extended battery (freezer rated): typical capacity—5000mAh

Network Connections	WLAN (Wi-Fi); WPAN (Bluetooth); USB 2.0 (high-speed client and host)
Notifications	Audible tone; multi-color LED; haptic feedback
Keypad	23 key alphanumeric/function (keypad model only)
Voice and Audio	Speaker; microphone; PTT voice
Buttons	Power button; Touch-only model—three (3) function buttons
Interface Ports	Two (2) rugged connectors (USB 2.0); 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.	-22 F to 122° F/-30° C to +50° C

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Storage Temp.	-40° F to 158° F/-40° C to +70° C
Drop Spec.	Multiple 4 ft./1.2 m drop to concrete across the operating temperature from -22°F to +122°F/-30°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
Humidity	Standard: 5% to 95%, non-condensing Freezer: 5% to 95%, condensing
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
Magnetometer	eCompass automatically detects direction and orientation
General Certifications	
Android Enterprise Recommended (AER)	Yes
Data Capture	
Scanning	Compatible with Zebra wearable Bluetooth scanners (RS2100, RS5100, RS6100) via NFC tap-to-pair and Zebra wearable corded scanners (RS4000, RS5000) via rugged side connectors. The RS5100 and RS6100 can be powered by the WT6400 using the corded adapter, with communication over Bluetooth.
Camera	13 MP side camera
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 WT6400 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	
1. Device display area is calculated by multiplying the length by the width of the display. 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 WT6400 is ideal for:

- Warehousing**
- Picking
 - Sorting
 - Receiving/put-away
 - Replenishment
 - Packing
 - Reverse logistics (returns)
- Manufacturing**
- Inventory
 - Put-away
 - Line-side replenishment
 - Work-in-Process (WIP) material Tracking and tracing
 - Quality control
 - Safety testing



Pot k sejmiscu 33
 info@spica.com
<http://www.spica.si>
 Pot k Sejmiscu 33, Ljubljana, 1231, Slovenia

