

# 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,<sup>1</sup> 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	
<b>Dimensions</b>	<b>Touch Only:</b> 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 <b>Touch + Keypad:</b> 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
<b>Weight</b>	<b>Without battery:</b> <b>Touch Only:</b> 7.2 oz./205 g <b>Touch + Keypad:</b> 7.9 oz./223 g <b>With standard battery:</b> <b>Touch Only:</b> 9.8 oz./277 g <b>Touch + Keypad:</b> 10.4 oz./296 g <b>With extended battery:</b> <b>Touch Only:</b> 11.7 oz./331 g <b>Touch + Keypad:</b> 12.3 oz./350 g
<b>Display</b>	4.7 inch; 720x1280; color display

<b>Touch Panel</b>	Capacitive touch panel; finger, gloved finger or conductive stylus support; Corning® Gorilla® Glass Victus® 2
<b>Power</b>	Standard battery: typical capacity — 3500mAh Extended battery (freezer rated): typical capacity — 5000mAh
<b>Network Connections</b>	WLAN (Wi-Fi); WPAN (Bluetooth); USB 2.0 (high-speed client and host)
<b>Notifications</b>	Audible tone; multi-color LED; haptic feedback
<b>Keypad</b>	23 key alphanumeric/function (keypad model only)
<b>Voice and Audio</b>	Speaker; microphone; PTT voice
<b>Buttons</b>	Power button; Touch-only model — three (3) function buttons

<b>Interface Ports</b>	Two (2) rugged connectors (USB 2.0); Two (2) charge pogo pads on each side
<b>Performance Characteristics</b>	
<b>CPU</b>	Qualcomm® QCS4490 octa-core; 2.4 GHz
<b>Operating System</b>	Android 13; upgradeable to Android 17
<b>Memory</b>	6 GB RAM; 64 GB Flash
<b>Security</b>	FIPS 140-2; Secure Boot; Verified Boot
<b>User Environment</b>	
<b>Operating Temp.</b>	-22 F to 122° F/-30° C to +50° C
<b>Storage Temp.</b>	-40° F to 158° F/-40° C to +70° C
<b>Drop Spec.</b>	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
<b>Tumble Spec.</b>	1,000 Tumbles at 1.6 ft./0.5 m at room temperature
<b>Sealing</b>	IP65; IP67 with battery per applicable IEC sealing specifications
<b>Humidity</b>	<b>Standard:</b> 5% to 95%, non-condensing <b>Freezer:</b> 5% to 95%, condensing
<b>Vibration</b>	4g PK Sine (5Hz to 2kHz); 0.04g 2/Hz Random (20 Hz to 2 kHz); 60 minutes duration per axis, 3 axis
<b>Electrostatic Discharge (ESD)</b>	+/- 15kV air discharge; +/- 8kV direct/indirect discharge
<b>Interactive Sensor Technology (IST)</b>	
<b>Light Sensor</b>	Automatically adjusts display backlight brightness
<b>Motion Sensor</b>	3-axis accelerometer with MEMS Gyro
<b>Magnetometer</b>	eCompass automatically detects direction and orientation
<b>General Certifications</b>	
<b>Android Enterprise Recommended (AER)</b>	Yes
<b>Data Capture</b>	
<b>Scanning</b>	Compatible with Zebra wearable scanners: RS2100, RS507, RS507X, RS5100, RS6000 and RS6100. The RS5100 and RS6100 can be powered by the WT6400 using the corded adapter, with communication over Bluetooth.
<b>Camera</b>	13 MP side camera
<b>NFC</b>	ISO 14443 Type A and B; FeliCa and ISO 15693 cards; NFC Forum cards 1 to 5
<b>Wireless LAN</b>	
<b>Radio</b>	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

<b>Data Rates</b>	<b>2.4 GHz:</b> 802.11b/g/n/ax — 20 MHz - up to 286.8 Mbps; <b>5 GHz:</b> 802.11a/n/ac/ax — 20 MHz, 40 MHz, 80 MHz, 160 MHz — up to 2402 Mbps; <b>6 GHz:</b> 802.11ax — 20 MHz, 40 MHz, 80 MHz, 160MHz — up to 2402 Mbps
<b>Operating Channels</b>	<b>Channel 1-13 (2401-2483 MHz):</b> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13; <b>Channel 36-165 (5150-5850 MHz):</b> 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; <b>Channel 1-233 (5925-7125 MHz); Channel Bandwidth:</b> 20, 40, 80, 160 MHz. Actual operating channels/frequencies and bandwidths depend on regulatory rules and certification agency.
<b>Security and Encryption</b>	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
<b>Certifications</b>	<b>Wi-Fi Alliance Certifications:</b> 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); <b>Protected Management Frames:</b> Wi-Fi Enhanced Open; WMM (Wi-Fi Multimedia); WMM-Power Save WMM-Admission Control; <b>Voice-Enterprise:</b> Wi-Fi Direct; Wi-Fi Agile Multiband; Wi-Fi QoS Management; Wi-Fi Optimized Connectivity; Passpoint

<b>Wireless PAN</b>	
<b>Bluetooth</b>	Class 1; Bluetooth v5.3

<b>Warranty</b>	
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 <a href="http://www.zebra.com/warranty">www.zebra.com/warranty</a>	

<b>Recommended Services</b>	
Zebra OneCare™ Essential and Select support services; Zebra Visibility Services — VisibilityIQ™ Foresight. For information on Zebra services, please visit <a href="http://www.zebra.com/services">www.zebra.com/services</a>	

<b>Footnotes</b>	
1. Device display area is calculated by multiplying the length by the width of the display. Specifications are subject to change without notice.	

<b>Mobility DNA</b>	
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 <a href="http://www.zebra.com/mobilitydna">www.zebra.com/mobilitydna</a>	
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: <a href="https://developer.zebra.com/mobilitydna">https://developer.zebra.com/mobilitydna</a>	

## 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



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