Zebra WT6400

Wearable progress: The Zebra WT6400 wearable computer

✓ Powerful wearable computer with optimised wearing comfort

✓ 4.7-inch touch display that is easy to read even in difficult lighting conditions

✓ Compatible with portable scanners, both via Bluetooth and cable

✓ Optionally with physical keyboard, can also be operated with gloves

✓ Robust design for use in a wide range of environments, including deep-freeze areas

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Features

Display: 4.7 inch, 720x1280 pixels, Corning® Gorilla® Glass Victus® 2

Operating system: Android 13, upgradeable to Android 17

Prozessor: Qualcomm® QCS4490, Octa-Core, 2.4 GHz

Memory: 6 GB RAM, 64 GB Flash

Keypad: 3 programmable function keys / 23 alphanumeric/function keys

Connectivity: Wi-Fi 6E, Bluetooth 5.3, NFC, USB 2.0

Additional features: 13 MP side camera, angled for ergonomic use, various sensors

Battery: Standard 3500 mAh; extended version 5000 mAh (freezer-rated)

Protection: IP65/IP67, impact-resistant up to 1.8 m, MIL-STD 810H

Operating temperature: -30°C to +50°C

Dimensions (W x L x H): 93 / 107 x 132 x 14 mm

Weight: 277 to 350 g

Accessories for Zebra WT6400

1-fold, 5-fold and 10-fold charging station

5-fold docking station

4-fold and 20-fold battery charging station

Batteries (standard, extended)

Power supply units, cables and adapters

Single Dial Wrist Mount

Double Dial Wrist Mount

Velcro Wrist Mount

Replacement Straps for Wrist Mounts

Hip Mount

Arm Sleeves

Screen Protector

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Physical Characteristics

Dimensions	Touch Only: 5.22 in L x 3.66 in W x 0.55 in D (132.5mm L x 93mm W x 13.97mm D) Touch + Keypad: 5.22 in L x 4.21 in W x 0.55 in D (132.5mm L x 107mm W x 13.97mm D)
Weight	Without battery: Touch Only: 7.2 oz (205g) Touch + Keypad: 7.9 oz (223g) With standard battery: Touch Only: 9.8 oz (277g) Touch + Keypad: 10.4 oz (296g) With extended battery: Touch Only: 11.7 oz (331g) Touch + Keypad: 12.3 oz (350g)
Display	4.7 inch; 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 -4F to +122F (-20C to +50C) Extended battery (freezer rated[4]): typical capacity — 5000mAh -22F to +122F (-30C to +50C)
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) programmable 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.	With standard battery: -4F to +122F (-20C to +50C) With extended battery (freezer-rated[4]): -22F to +122F (-30C to +50C)
Storage Temp.	-40F to +158F (-40C to +70C)
Drop Spec.	Per MIL-STD 810H: 6 ft (1.8m) to concrete at (+73F to +122F/+23C to +50C) 4 ft (1.2m) to concrete across temperature (-22F to +122F/-30C to +50C) exceeding MIL-STD-810H
Tumble Spec.	1,000 Tumbles at 1.6 ft (0.5m) at room temperature
Sealing	IP65; IP67 with battery per applicable IEC sealing specifications
Humidity	5% to 95%, non-condensing

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); 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, 160 MHz — 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
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

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User Environment

Vibration	4g PK Sine (5Hz to 2kHz); 0.04g 2/Hz Random (20Hz to 2kHz); 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