

Article-No.: 151623

Zebra WS50

Wrist Mount, 1GB, 8GB, Cam, NFC, Android11 AOPS

Compact Powerhouse

Every task worker without mobile access to relevant information is forced to take more steps and more time to complete tasks, eroding operational efficiency. Now, connecting your disconnected workers is easy with Zebra's WS50 – the world's smallest all-in-one Android enterprise-class wearable mobile computer.

The WS50 delivers unparalleled functionality and flexibility. It's lightweight and ergonomic, comfortable and hands-free. With no host device required, it's the first of its kind, offering powerful data capture with all-in-one Android device simplicity. It's rugged, weighing just a few ounces, but built to handle all-day everyday enterprise use – extreme heat and cold, bumps and drops. It's a versatile computing core with a modular design that lets you choose the mount that's right for the job: the WS50 can be worn ring-style on two fingers, on the back of the hand or on the wrist. The design is at home everywhere – from manufacturing and warehousing to retail and hospitality.

It's small but mighty, packed with powerful business class voice and data features that drive productivity and accuracy into every task. Choose your data capture technology – Zebra's enterprise-class SE4770 imager is integrated into the two-finger and back-of-hand mount for intense barcode scanning, and a high resolution 13 MP camera is integrated into the wrist mount to capture detailed photos to document proof of condition, as well as occasional barcodes. All models are push-to-talk ready, enabling workers to instantly collaborate with co-workers and managers for faster issue resolution. Support for task management applications enables better staff utilization and management. Voice features include an embedded speaker and microphone, plus the ability to connect a Bluetooth headset for cordless freedom and private communications.

The WS50 offers exceptional useability and viewability and is always powered up and ready to work. The AMOLED color display is extraordinarily bright with a wider range of viewing angles, delivering superior readability. The removable hot-swappable battery ensures devices are powered every minute of every shift. And programmable buttons allow you to give workers one-press simplicity for a wide variety of functions – from push-to-talk and scanning to photo capture and more.

When it comes to Wi-Fi, your workers will experience the Zebra difference. Mobility DNA Wireless Fusion enables Zebra-only features that will keep workers connected and productive while roaming throughout your facility.



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Highlights

- Compact and powerful, ideal for any industry.
- Hands-free operation
- Extensive functions for efficient data capture and communication.
- Push-to-talk capability
- AMOLED color display

Technical data

Tablet

Manufacturer	Zebra Technologies
Processor	Qualcomm®
Name	Snapdragon Wear™
Type	4100 / SDW429w
Number of Cores	4
Clock Speed	2,00 GHz
GPU	Qualcomm® Adreno™ 504
Chipset	ARM
Operating system	
Version	Android™ 11 AOSP



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Display

Display	2.0" (5.08 cm)
Display Type	OLED
Resolution	460 x 460 Pixels
Pixel Pitch	325 PPI
Background Lighting	OLED
Display-Protection-Glass	Corning® Gorilla® glass
Touchscreen	Projected capacitive touch (P-cap)
Finger Control	yes
Glove Control	yes

Main storage

Size	1 GB
max. Size	1 GB

Hard disk

Type	eMMC
Memory Capacity	8 GB
max. Size	8 GB

Communicating

WLAN	IEEE 802.11 a/b/g/n/ac
frequency band	2.4 Ghz / 5 Ghz

WiFi usage

Note for wifi usage	The range from 5150 MHz to 5350 MHz of the 5 GHz WLAN band is for indoor use only.
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Reader

Barcode Reader	optional
Scanner Module	Zebra SE4770
NFC	yes
Supported standards	Tap to Pair, ISO 14443 Type A and B, Felica and ISO 15693 cards, and Card Emulation via Host (HCE) support

Audio

Microphone	yes
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Ports

USB 2.0 Type-C™	1 x
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Camera

Camera Rear	13.0 megapixels
Flash	yes

Power supply

Battery Type	lithium-ions
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Quantity	1 x
Capacity	approx. 800 mAh, 3,08 Wh
Shell	
Form of Structure	Wearable
Weight	112 g
Colour	black
Measurements	
Width	74 mm
Height	64 mm
Depth	28 mm
Scope of supply	
Package Contents	Wearable
Service	
Warranty	1 year
Certifications	