

WS501 Wearable Computer

Hands-free productivity for
scan-intensive shifts

January 31, 2026



Agenda

**Challenge and
solution**

**Differentiating
features**

**WS501
product tour**

**Better
together**

**Zebra
DNA**

**Zebra
Services**

Challenge and Solution



It's a new age for customer fulfillment



The e-commerce boom and heightened customer expectations are putting immense pressure on retailers and the supply chain.

E-commerce keeps growing

Global online sales ≈ \$6.42T
in 2025, with over 2.77B
global shoppers¹

Fulfillment happens everywhere

Fast delivery isn't just
warehouses—stores are now
mini hubs to meet demand

Fast is the new normal

92% of consumers consider
delivery windows when
choosing to buy;¹ 96% consider
“fast delivery” to mean same day²

Worker tech is mission-critical

85% of warehouse workers
say better tech is needed to
hit goals³

Today's demands are relentless.

**Teams must move faster—pick more,
turn inbound quicker, ship sooner—
all with the same headcount.**

Free your workers' hands for an instant productivity boost

Process more orders, increase order accuracy, and meet the fastest delivery times



Pick and pack orders, load trailers, and move boxes faster than ever



Move packages through the supply chain faster and more safely



Replenish parts faster to keep the production line moving



Move incoming shipments from dock to stock faster

Wearable computing is your **workforce multiplier**



INTRODUCING

The WS501

Android
Wearable
Computer



**Small enough to fit on a hand...
with all the key features of a full-size mobile computer**

...the power to run all of your enterprise apps simultaneously
...rock solid Wi-Fi to keep workers connected and productive
...all with no host mobile computer required.

The new generation WS501

Now with more memory and Wi-Fi 6



Two comfortable wearing styles



Cost-effective way to connect previously disconnected workers



Runs multiple apps with a powerful platform and expanded memory



Flawless scanning for high-volume, scan-intensive workflows



Perfect for workers who don't need the capabilities of a full-size mobile computer



Backed by an Android roadmap that grows with your business



Two-finger mount

Back of hand mount

Hands-free high-performance computing for the most scan-intensive jobs

Markets

- Warehouse
- Transportation and logistics
- Manufacturing
- Retail (back of store)

End users

- Packers
- Pickers
- Sorters
- Shippers
- Operations

Use cases

- Package handling
- Sorting
- Put away
- Order fulfillment
- Loading/unloading
- Task management





Differentiating Features

One device that does it all



A fully converged wearable replaces both the host mobile computer and ring scanner—giving workers a true all-in-one solution

**One device
to wear**

**One device to
deploy
and manage**

**One battery to
charge and track**

**One service
contract
to support**

**Fewer products. Fewer touchpoints.
Less complexity across your operations.**

The latest in wearable comfort

This lightweight device weighs less than 5 oz (134 g), with two comfortable, interchangeable wearing styles that bring all-day comfort to virtually any workflow.



Two-finger

- Switch between right- and left-handed use by rotating the trigger
- Keeps the palm bare for easier package handling



Back of the hand

- Multiple sizes accommodate bare hands and gloves, right- and left-handed mounting

Advanced scanning built for intense workflows

Powered by the SE4770 imager for fast and accurate scanning—even in the toughest conditions

Capture any barcode, anytime

- Reads virtually any barcode—even dirty, damaged, or poorly printed
- Superior motion tolerance captures barcodes on the move
- Wide field of view scans large or multiple barcodes easily

Speed up tasks with Zebra tools

Automatically capture, format and transmit data from multiple barcodes on multiple labels on boxes and items—all with one press of the trigger



Small, but mighty

With more memory and faster wireless, the WS501 can support all of your apps

More memory for more apps

RAM and Flash on par with leading handhelds let workers run multiple apps with fast, responsive screens

Better Bluetooth

Bluetooth 5.3 delivers faster pairing, longer range, stronger security, and better BLE performance

Fast, reliable Wi-Fi

Wi-Fi 6 reduces congestion and boosts speed and stability. With Zebra DNA Wireless Fusion, roaming stays smooth with no dropped connections



Built for fast, focused work

Every interaction optimized for task-based performance



Bright, crisp AMOLED display

- High-contrast, wide viewing angles, always readable
- No backlight needed = better battery life
- TruPalette™ color and adaptive enhancement for clear visibility



Sized right for the job

- Compact two-inch display ideal for fast, task-focused interactions



Quick access with programmable buttons

- Customize buttons for PTT, scanning, or apps
- Reduce steps and speed up every task



Communication, simplified

- Talk instantly using built-in mic and speaker
- Connect Bluetooth headsets for private, hands-free comms



Tasks can't wait for a recharge

Hot-swap capability ensures continuous uptime and full-shift performance

Swap and go

Replace the battery without shutting down the WS501. Swap in a fully charged battery and keep the workflow moving

0–90% in <3 hours

With fast charging, batteries are ready to go in less than 3 hours

Simple and scalable backroom management

- Modular, scalable charging solutions: 2- or 10-slot charge-only cradles and 4- or 20-slot battery chargers
- Ethernet cradle supports five devices and five batteries





**Rugged,
reliable,
ready for
anything**

For all-day enterprise use—without the downtime.

From extreme temperatures to bumps, drops, and hose-down cleaning, the WS501 is built to thrive in tough environments.

IP65 sealing, Gorilla® Glass protection, dust-tight construction, and a replaceable front shell keep it working—and looking—like new.

- 6 ft. (1.8m) drops
- 2,000 tumbles
- IP65 sealed
- Hose it down

Rugged design that works as hard as your teams

Designed for the enterprise

No proprietary platforms, consumer-level operating systems, or separate infrastructure to manage



Enterprise-ready. Future-ready

- Built on Zebra's common Android platform for seamless integration with your other Zebra mobile devices
- Runs the latest Android version with support for future releases
- Enhanced with Mobility Extensions (Mx) to elevate Android into a true enterprise-class OS

Manage it like every other Zebra mobile computer

- Manage the WS501 using the same EMM you already use for your Zebra fleet
- Zebra OEMConfig enables your EMM to support every WS501 feature from day one—right out of the box

Find misplaced devices with Zebra Device Guardian

- Quickly locate lost or misplaced devices
- Safeguard your investment, data, and uptime by proactively preventing device loss

The right accessories to simplify device management

CHARGING/POWER OPTIONS



Four-slot battery charger



Two-slot device cradle



Charge cable



10-slot device cradle



20-slot battery charger



Spare 1300mAh Li-ion battery

MOUNTING OPTIONS



Two-finger mount



Back-of-hand mount

PROTECTIVE OPTIONS



Screen protector

HEADSET OPTIONS



HS3100 rugged headset

Product Tour



Two-finger mount

DEFLECTOR

Field-replaceable, protects the WS501 and imager window from bumps

PROTECTIVE SHELL

Field-replaceable, keeps the WS501 looking new

TWO-FINGER MOUNT

Well-balanced ergonomics, includes finger and strap pads

2-INCH AMOLED DISPLAY

Vibrant colors, crisp text, and easy viewing from any angle

HOT-SWAPPABLE BATTERY

1300 mAh; hot swap 2 minutes (memory persistent)

PROGRAMMABLE BUTTON

One-touch access to PTT or a commonly used app (dual-sided)

THUMB TRIGGER

Large size is easy to activate; switch sides for right-or left-handed use



Back of hand mount

DEFLECTOR

Field-replaceable, protects the WS501 and imager window from bumps

2-INCH AMOLED DISPLAY

Vibrant colors, crisp text, and easy viewing from any angle

PROGRAMMABLE BUTTON

One-touch access to PTT or a commonly used app (dual-sided)

TRIGGER

Thumb activated, included in mount assembly

HAND WRAP

Replaceable, available in right or left; small, medium, large for a personalized, comfortable fit



Better Together

Get more out of
your solution with
Zebra's ecosystem



**Enable better communication &
collaboration for every
associate with Workcloud Sync**

WS501 Powered by Workcloud Sync

ENTERPRISE DEVICE + SOFTWARE TOGETHER

Push to Talk

- Instantly connects persons, groups, departments or site members
- Speeds up the coordination of priority activities and emergencies

Voice Calling

- Private calls, group calls or company-wide calls
- Dynamically assign calls based on department, group, or persons

Voice Commands

- Leverage voice to control app features, retrieve information, communicate with colleagues and complete tasks
- Ideal for hands-free experience to improve speed, safety, and productivity

Announcements

- Deliver Manager on Duty (MOD) and other store-wide communications
- Scheduled, prioritized, delivered across site, department, groups or persons

PBX Telephony

- Make outbound calls to customers, other sites and more
- Direct inbound calls to the right persons, groups, or departments

To-Dos

- Review and execute to-dos in real time
- Drive real-time collaboration and ensure accountability
- Review To-Do instructions, details, & checklists

General

- Home Page provides central navigation
- Contacts provide ability to reach any department, group or persons across a site
- Settings enables feature flags and language support

Additional Functionality

Location tracking of workers

Duress Calling

Alerts and notifications

Single sign-on

Presence status

Search

Analytics and reporting

Multi-language support

Central administrative hub

Call for Help

Print confident. Print secure. Print with Zebra.

Zebra's unmatched portfolio offers simple one-stop shopping—and products that work better together



Mobile Printers

Give workers on-the-spot printing to maximize productivity and workflow efficiency

ZQ600 Plus, ZQ500 Series, ZQ300 Plus:
Rugged, reliable mobile printing for labels, receipts, RFID tags, and more.



Desktop Printers

Compact, durable printers that fit anywhere and handle all your day-to-day printing needs

ZD421:
4-inch desktop printing for shipping, receiving, inventory, and order fulfillment.



Zebra Certified Supplies

Validated, high-quality media for consistent, dependable printing. Products include barcode labels, RFID labels, receipt paper, and more

ZD300 Sensors:
Electronic temperature sensors for real-time visibility in cold chain applications.

Zebra DNA

Hands-free productivity for
scan-intensive shifts



Empower your workforce.
Drive results.

**Intelligence made simple
in every Zebra device.**

Zebra DNA for Mobile Computers

Zebra DNA spans every stage of your hardware's lifetime—from app development to integration, from security to device management and performance optimization

Set up



DataWedge: Easily capture data and send to your host applications without programming



Enterprise Mobility Development Toolkit (EMDK): Develop powerful customized enterprise applications with less time and effort



Enterprise Browser: Create cost-effective web-based applications optimized to work on Zebra Android devices



StageNow: Stage a handful or thousands of devices with the scan of a barcode or tap of an NFC tag



Zebra DNA Cloud: Intuitive unified interface to easily deploy, manage and support your Zebra DNA tools



Zebra Zero Touch: Helps automate the setup of devices into your third-party management system

Secure and manage



Device Diagnostic Tool: Instantly test and diagnose hardware operability to determine system health



LifeGuard for Android: Protect devices from potential threats and access new features with regular updates and patches



Device Guardian: Easily locate and recover missing devices to protect your investment.



Mobility Extensions: A layer of enterprise features that are not available in off the shelf Android



Wireless Fusion: Enables seamless connectivity, and enhances the mobile operation and efficiency of Wi-Fi™



Enterprise Home Screen: Control the user interface, including access to applications and settings



RxLogger: Capture system and application logs to identify problems and avoid sending no-failure found devices for repair



OEM Config: Day one support for all device features in Mobility Extensions (Mx) via your EMM



Wireless Insights: Real-time visibility of wireless network performance to troubleshoot and optimize connectivity

Optimize



OCR Wedge: Boost productivity with optical character recognition that works on TIN, VIN, SSN licenses, plates and more



Wireless Analyzer: Comprehensive network diagnostics for rapid identification and resolution of connectivity issues



Device Central: Simplified pairing, unpairing, locating and troubleshooting with Bluetooth® accessories



NG SimulScan: Fast and accurate data capture from multiple barcodes. Capture text, signature, images and documents

Zebra DNA Cloud

One simple portal to manage all of your Zebra DNA tools

Single interface provides a more cohesive and unified user experience

Simple, intuitive experience designed for technical and non-technical users alike

Standalone fleet management tool that enables IT personnel to easily administer your Zebra mobile devices

Easily access Zebra's exclusive suite of in-device software tools and applications to drive greater efficiencies, and cost savings*

NOTE: Future release will include coexistence with EMM tools

* License required for additional features

The easy way to deploy, administer,
and manage **all of your Zebra DNA tools**



Zebra Services

The industry standard
in enterprise support



Zebra OneCare™: the industry standard in enterprise support

Unexpected failures that interrupt your workflows aren't an option. Zebra OneCare maintenance plans keep devices running at peak performance and ready for whatever your job demands

End-to-end coverage

Eliminates unpredictable repair-related costs. With Zebra OneCare, there are no limits—if something is broken, we fix it

Optional battery plans

Reduce the cost of battery replacement over a device's lifespan and ensure workers have a healthy, fully charged battery for every shift

Technical support

Included in every plan; your users get support they can count on—fully trained technical professionals are available* to answer questions and address issues

Optional VisibilityIQ Foresight™

Cloud-based dashboard to view device insights; address potential issues before they impact your business, uncover opportunities for cost-cutting, right-sizing inventory, and reducing lost assets



Zebra OneCare™ Maintenance Plans

Benefits

- Genuine Zebra expertise and parts to maximize device uptime
- Years of investment protection—all for less than the cost of a single repair
- Cloud-based visibility to repairs and more, with detailed insights into contracts, case and lifecycle reports
- True service from the source—no one knows Zebra devices and its software better than Zebra, and Zebra Certified Repair Partners

Feature	Zebra OneCare Essential	Zebra OneCare Select
Live-agent support	Mon–Fri, 8–5 local time	24/7
Repair turnaround time	3-day repair turnaround*	'Like-new" replacement device ships for next business day delivery
Accidental damage coverage	●	●
OS software and LifeGuard™ for Android™ security updates	●	●
Cloud-based visibility into repair, case reports and more with VisibilityIQ™ OneCare	●	●
Battery service enhancement	Option to include Battery Maintenance or Proactive Battery Replacement Services	Option to include Battery Maintenance or Proactive Battery Replacement Services
Spare pools management		●
Commissioning service enhancement	Option to include Standard or Advanced Commissioning	Standard Commissioning included: option to add Advanced Commissioning

* Based on when device arrives to repair depot

Added value for the WS501

Proactive device insights and device managed services



VisibilityIQ Foresight™

Improve operations with proactive insights

- Cloud-based dashboard to view device insights and make decisions based on analytics across your entire device inventory
- Address potential device issues before they impact your business, and uncover opportunities for cost-cutting, right-sizing inventory and reducing lost or stolen assets
- View everything in an easy-to-understand, color-coded dashboard and get alerts on your inventory of mobile devices

Professional Services

Focus on your core business and let Zebra keep your devices up-to-date and operating the way you need them

- Gold Build ensures your devices operate at their peak performance by successfully designing user profiles
- Save valuable time in your operation with Zebra Staging by aligning consistency on operating system version, security features and application loading
- Let us help you put together the device and accessories and/or printed collateral into individual or site boxes

Why Zebra



Globally recognized leader in powering the frontline

#1

A close-up image showing a hand wearing a blue nitrile glove holding a white handheld barcode scanner. The scanner is pointed at a blue and white striped barcode on a small object, possibly a medical vial.

BARCODE
SCANNING

A man with glasses and a beard, wearing a brown apron over a dark shirt, is looking down at a tablet computer. He is standing in a warehouse or retail store with shelves of bags of goods in the background.

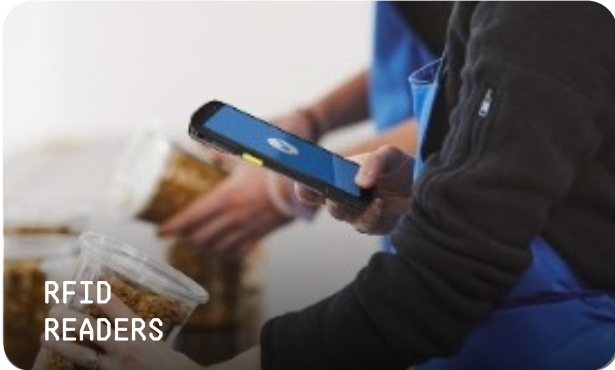
RETAIL TASK
MANAGEMENT SOFTWARE

A person wearing a white hard hat, safety glasses, and a high-visibility yellow jacket is using a rugged tablet computer. The background shows an industrial or construction site with buildings.

RUGGED MOBILE
COMPUTING

A woman with curly hair, wearing a striped shirt, is smiling and looking at a small thermal printer. She is in a warehouse or office setting with boxes and shelves in the background.

THERMAL
PRINTING

A person is holding a smartphone and using it to scan an RFID tag. The tag is attached to a clear plastic container. The background is slightly blurred, showing an indoor setting.

RFID
READERS

Sources: VDC Research and Zebra analysis (#1 market share).

Powering organizations across the globe

\$5.0B

in **global sales** (2024)

~9,900

employees in 55 countries
across 120 offices

80%+

of **Fortune 500** companies
are Zebra customers

10,000+

Channel partners in
over 190 countries

~7,150

US & Int'l patents
issued and pending

~10%

of sales to R&D

Our people make the difference

OUR VALUES



Lead through innovation



Deliver excellence with agility



Think and act customer first



Succeed as one



Make a positive impact

AWARDS



Thank you



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