TC53e/TC53e-RFID/TC58e Mobile Computers

Faster. Smarter. More rugged. More sustainable. More secure. And a feature set that keeps pace with evolving business needs.

Table of Contents

Device Overview

Meet the TC53e/TC53e-RFID/TC58e Mobile Computer

Introducing the latest addition to Zebra's top-selling TC5 Series, the TC53e Wi-Fi, TC53e-RFID Wi-Fi and TC58e with Wi-Fi and cellular connectivity. Now faster[1], smarter, more rugged, more sustainable, and with features that meet the ever-evolving mobility needs of today's front line workers.

High resolution 16 MP camera with HDR

2nd gen 5G (TC58e) and Wi-Fi 6/6E for super fast and reliable connectivity

Front 8 MP camera for video calls and facial recognition

Large, dual sided scan keys; PTT key for easy collaboration

Just 9.9 oz./282 g and 0.66 in./ 16.7 mm thin

Ultra-bright 6-inch Full HD+ Edge-to-Edge display

Powerful new Qualcomm processor and up to 8 GB RAM/128 GB UFS Flash

Scratch- and shatter-resistance Corning® Gorilla® Glass display and imager window

Integrated short-range UHF RFID (TC53e-RFID)

eConnex™ for snap-and-go pairing with RFID sleds and more

Sustainability: Designed and constructed with 25 percent post-consumer recycled plastics

Choice of standard battery, extended battery, BLE battery or Wireless charging battery[2]

Secure Element: provides the best physical security on a mobile device through a dedicated chip that protects sensitive data

Choice of scan engines: SE55 Advance Range with IntelliFocus™ technology, SE4720 or SE4770[2]

1. Compared to previous generation TC5X series: TC51, TC56, TC52, TC57, TC52x, TC57x and TC57ax (specifically excluding the current generation TC53/TC58)
2. Available on TC58e only

Benefits

Everything your workers need to do business better

New, significantly faster processor
Nearly twice the processing power of the prior generation SD660, with less power consumption

All the latest wireless communications
2nd generation 5G (Rel 16)/Private 5G (TC58e), Wi-Fi 6E and Bluetooth 5.3; give workers faster speeds in the field, optimized performance in large buildings

Vivid FHD+ 6-inch display
Give workers a richer viewing experience with bright colors, vivid graphics and larger fonts; easy to read indoors and outside

8 ft./2.4 m drop specification
More rugged drop spec than previous generation TC5 Series devices; exceeds per MIL-STD-810H: 8 ft./2.4 m to concrete with rugged boot; 6 ft./1.8 m to tile over concrete without a boot

Most secure TC5 Series device
A Secure Element provides the best physical security on a mobile device; dedicated chip prevents physical hardware attacks and unauthorized access to sensitive data

Secure, split second access with Identity Guardian
Workers can scan a barcode on their badge and simply look into the device to unlock and provision it with all the right applications and permissions; no need to issue passwords that could be compromised

Unmatched battery technology
Four options: standard, extended, BLE and Wireless charging (TC58e); flexible and fast charging options with multi-slot cradles and support for standard USB charging cables; superior battery manageability

Crystal clear audio
Hear virtually every word on every call; three integrated microphones, two speakers and AI neural network-based noise suppression for superior intelligibility

No more lost devices
The BLE battery works with Device Tracker to enable lost or misplaced devices to be located quickly and easily — even if the battery is depleted

Long product lifecycle
The devices you buy today can serve your mobility needs well into the future; available for sale for four years, with support available for an additional four years

A world of solutions
to do more with your devices

Expand the TC53e/TC53e-RFID/TC58e capabilities to achieve new levels of productivity and operational efficiency with Zebra hardware and software innovations

Replace traditional desktops with a mobile-driven on-demand workstation with **Workstation Connect and a Connect Cradle**

Open up a world of RFID-enabled workflows with **integrated short range UHF RFID**

Take any card-based payment anywhere with **Zebra Pay**

Streamline authentication and device provisioning with **Identity Guardian**

Connect your teams with fully-scalable communication tools with **Workcloud Communication** including PTT and secure text

Create a complete POS station with **Workstation Connect and a Connect Cradle or Hub**

Boost productivity with an extended scanning range with the **SE55 scan engine option**

Enable time-saving hands-free workflows with wireless wearable scanners — including the **RS2100, RS5100 and RS6100**

Add lightning fast standard and extended range RFID with the **RFD40 or RFD90 sleds**

Track and find devices inside and outside the four walls with **Mobility DNA's Device Tracker**

Top 5 Reasons
to choose TC53e/TC53e-RFID/TC58e for your business

1

Achieve peak levels of front-line productivity

More processing power and the latest wireless connectivity — including 2nd generation 5G (Rel 16), Wi-Fi 6E and Private 5G — deliver virtually instant response times in the most demanding applications, so workers can answer customer questions, look up information, close out orders, access databases and more.

2

Re-imagine workflows with new data collection possibilities

Scan a shelf tag on the highest rack without taking a step. Use short-range RFID to instantly confirm that all items in a shopper's cart were purchased. Take an inventory count with standard-range RFID. Instantly create a workstation or Point of Sale station. Securely accept virtually any card-based payment in the store aisle or customer doorstep. Zebra's innovative hardware and software solutions define a new age of mobility — and operational efficiency.

3

A notable legacy — **with an even more inspiring future**

Millions of workers have depended on the TC5 Series, from the sales floor to the delivery truck. Now you can give your workers the latest innovation in this best selling mid-tier family of mobile computers. The TC53e/TC53e-RFID/TC58e draws on the unmatched experience of the TC5 Series' wide customer base, deployments and environments to create a powerful platform that performs far beyond the demands of today and can meet your workflow needs tomorrow.

4

A better experience for your workers

Your workers depend on their mobile device every minute of every shift — and the TC53e/TC53e-RFID/TC58e gives them the best possible experience. A brilliant full HD+ 6-inch display is easy to see, even in bright sunlight. An ergonomic design is easy to grip, light to carry and comfortable to use all shift long. Workers get secure, split-second authentication with facial recognition. Crystal clear audio. And much more.

5

Robust security from the inside out

The TC53e/TC53e-RFID/TC58e is the most secure TC5 device yet, incorporating multiple levels of security. For example, it complies with Google StrongBox requirements. Secure Element models prevent physical hardware attacks. LifeGuard™ for Android™ delivers regular security updates over a device's lifespan to protect against the latest cyber threats.

World-class data capture in the palm of your hand

Different use cases require different scanners. That's why you get a choice of three different scan engines. No matter which scan engine you choose, your workers can count on the fast and flawless scanning performance that has made Zebra an industry leader. Damaged, dirty or poorly printed barcodes? No problem. Zebra scanners can deliver split-second first time capture of virtually every barcode, regardless of condition.

Advanced range scanning
Indoor/outdoor

SE55 1D/2D Advanced Range scan engine with IntelliFocus™ technology

Exclusive technology easily captures 1D/2D barcodes in hand and up to 40 ft./12.2 m away

Boost productivity by capturing top-shelf barcodes without a ladder and low barcodes without bending down

Best-in-class green laser aimer is up to seven times more visible than a red laser, easy to see even in bright sunlight

Available in: TC53e, TC58e

Standard range scanning
Indoor

SE4720 1D/2D scan engine

Fast and easy capture of barcodes, labels and documents

Versatile working range up to 24 in./60 cm away

Capture barcodes in any condition

Large sweet spot to easily capture large barcodes

Available in: TC53e, TC53e-RFID, TC58e

Standard range scanning
Indoor/outdoor

SE4770 1D/2D scan engine

Ideal for capturing barcodes outdoors and inside in T&L and more

Cross-hair aimer is easy to view, even outdoors

Wide field of view and maximum motion tolerance

Available in: TC58e

The power of integrated UHF RFID

Open up a world of RFID-enabled possibilities with short range RFID

Give your front-line workers the power of integrated mobile RFID with the TC53e-RFID. It's easy to carry and hold, and can read 20 RFID tags per second with a read range up to 4.0 ft./1.2 m away. Integrated RFID means there are no extra sleds or sled batteries to manage. The TC53e-RFID is compatible with all the same TC53/TC53e/TC58/TC58e accessories, allowing you to standardize on one model to meet diverse needs. And the TC53e-RFID is also compatible with Zebra's standard range RFD40 and standard or extended range RFD90 ultra-rugged UHF RFID sleds, enabling short and long range RFID with a single device.

Retail

At self-checkout, instantly confirm that all items in a cart were purchased; speed up the POS and line bust by reading all items in a basket simultaneously

Quickly and easily locate an item for a customer, eliminating wait times that could result in an abandoned sale

Instantly reconcile incoming shipments and reprogram existing tags on returns

Quickly and accurately take inventory of tagged items on a shelf or rack to help prevent out-of-stocks

Identify goods that are marked with the wrong price and update the price label, protecting profitability (requires Bluetooth printer)

Hospitality

Quickly and accurately validate tickets at events to authenticate tickets, keep lines moving and patrons happy

T & L

Instantly and accurately identify bags on a baggage cart, ensuring the right bags are loaded onto the right plane and waiting for passengers upon arrival

Accurately load and unload packages, ensuring shipments are on the right truck, delivered to the right customer on time, every time

Put sustainable technology in the hands of your workers

The TC53e, TC53-RFID and TC58e are good for your business — and good for the environment

- Constructed with 25% post-consumer recycled plastics

- Free of halogen, mercury and PFO/PFOAs

- Packaging is 98 percent biodegradable and utilizes recycled materials

- Power consumption is reduced; batteries are removable and recyclable

- Long device lifecycle reduces the overall environmental impact — and TC53e/TC58e/TC53e-RFID can take the place of multiple device types

- Zebra's Circular Economy can reduce your overall carbon impact with takeback recycling, device buy-back, certified refurbished devices and battery recycling services

A full portfolio of services

From everyday support to analytics that enable proactive device management to convenient on-device video training
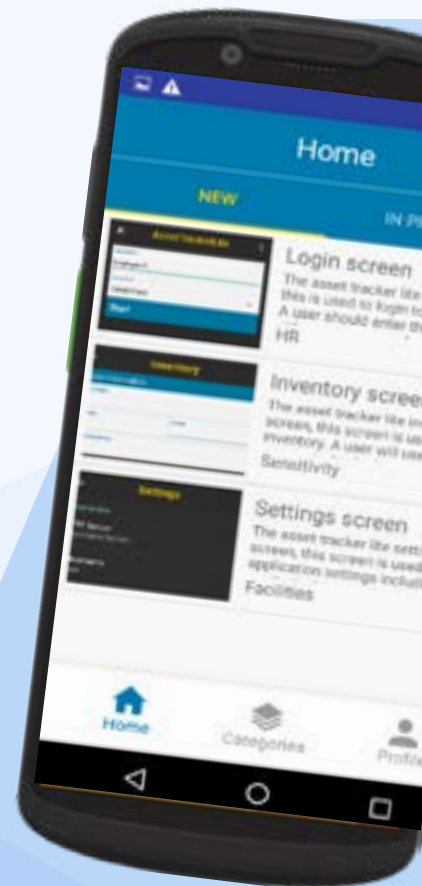
Manage and Support: Zebra OneCare™

Choose the plan that's right for your business goals and budget. Far from one-size-fits all, Zebra OneCare plans offer everything from Essential coverage to elevated Select support, and even Specialized plans for targeted protection. Pick your plan based on your device type or portfolio, contract length, coverage level and repair turnaround time. It's pain free with our simple subscription model.

Train and Adopt: Video on Device

Make short easy-to-follow how-to videos on your TC53e/TC53e-RFID/TC58e devices to put on-the-job learning and support right at your workers' fingertips.

Actionable Intelligence: VisibilityIQ Foresight™

Proactively spot and address issues gleaned from information on Zebra mobile computers, printers, scanners and batteries — before they impact your business.

Mobility DNA

Your mobile computer's built-in advantage

Mobility DNA offers secure solutions to help deploy, manage and support every stage of your devices' lifecycle to achieve and accelerate greater business outcomes, lower TCO and address your unique business needs.

Integrate

DataWedge API
Easily capture and send barcode data into your apps without writing code

Enterprise Browser
Easily build feature-rich web apps that utilize all device features

Enterprise Mobility Management Tool Kit
Create rich apps that take full advantage of your device's capabilities

Secure

LifeGuard™ for Android™
Easily keep your devices secure every day they are in service

Enterprise Home Screen
Specify which apps users can access, disable device features and automatically launch apps

Optimize

Device Central
Easily manage Bluetooth accessories

All-touch Terminal Emulation
Convert legacy, green screens into an all-touch, modern UX

Enterprise Keyboard
Give workers a keyboard designed for your data

SimulScan
Effortlessly capture up to 100 barcodes simultaneously

OCR Wedge
Capture standardized data such as drivers licenses and license plates

TekTerm
Migrate CE windows mobile applications to Android

Deploy

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

Zebra Zero-Touch
Let your devices provision themselves right out of the box

Manage

Device Diagnostics
Test major device systems to eliminate costly and unnecessary trips to the repair depot

Device Tracker
Locate missing devices quickly and easily — even if they are turned off or the battery is dead

GMS Restricted Mode
Turn off the Google Mobile Services you don't want

Mobility Extensions
Add features to protect business data and network access

Wireless (Fusion)
Get dependably superior Wi-Fi connections

Wireless (Analyzer)
Capture and analyze wireless data and voice to improve connectivity performance

RxLogger
Capture system and application logs to identify problems

OEMConfig (Mx)
A unified interface for all Zebra value-added APIs via an EMM

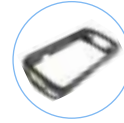Circle diagram: Integrate (1), Secure (2), Deploy (3), Manage (4), Optimize (5)

Enterprise-ready rich accessory ecosystem

Workstation Cradle
Create a mobile-driven workstation; connect to a monitor, keyboard, mouse, printer and more

Point of Sale Cradle
Create a complete POS — large display, scanner, receipt printer, payment terminal, cash drawer, keyboard and mouse

2-slot cradle
Charges one mobile computer and one spare battery simultaneously

Multiple charging options
Single slot and multi-slot cradles for the backroom; multi-slot spare battery chargers; adapter cup for backward compatibility with existing ShareCradles

Vehicle chargers and cradles
Wireless vehicle charging cradle, vehicle holder (non-charging)

Rugged protective case
Adds another level of durability; 8 ft./2.4 m to concrete drop spec

Attachable trigger handle
Rapid fire scanning and added comfort for scan-intensive applications

RFD40/RFD90 eConnex RFID sleds
Lightning-fast inventory cycles; sleds read 1,300 tags per second; snap and go pairing with eConnex

Intelligent Cabinets
Organize, secure, track, manage and store your devices; real-time visibility into which devices are in use, charging or missing and who is using them

Rugged HD voice headsets
Bluetooth and corded models; dustproof, sprayproof and waterproof; superior voice quality

And more...