

Why Upgrade to the TC53e | TC58e | TC53e-RFID?

The top selling TC5 Series is trusted by over **5 million workers** globally across manufacturing, warehouse, logistics and retail to improve productivity and customer service quality — including the TC51/TC56, TC52/TC57 and TC52x/TC57x/TC52ax. Introducing the perfect upgrade, the newest members of the TC5 Series — **TC53e, TC58e and TC53e-RFID**. These new models deliver more of the features your workforce needs to do business better, smarter and faster, with a feature set that keeps pace with your evolving business needs:



-  More rugged — and dependable
-  The most secure TC5x device yet
-  More power to run today's apps
-  All the fastest wireless networks
-  New scanning options
-  Expand use cases with integrated RFID
-  Superior audio quality with AI neural network-based noise suppression
-  Three new batteries meet new power needs
-  Go greener with the most sustainable TC5x yet

Take your workforce productivity, efficiency and customer service quality to the next level with the latest mobility features in the new TC5Xe Series mobile computers.

Interested in upgrading? Get started at www.zebra.com/tc53e-tc58e-tc53e-RFID

What do you get when you upgrade to the TC53e/TC58e/TC53e-RFID?

	TC53e/TC53e-RFID/ TC58e	TC52x/ TC52ax/ TC57x	TC52/TC57	TC51/TC56	BENEFITS
					
NEWER, FASTER PLATFORM					
Processor	Qualcomm® 4490 octa-core @ 2.4 GHz	Qualcomm® Snapdragon 660 octa-core @ 2.45 GHz	Qualcomm® Snapdragon 660 octa-core @ 2.2 GHz	Qualcomm® Snapdragon 650 hexa-core @ 1.8 GHz	New Qualcomm platform provides 2x more processing power over the SD660 to support today and tomorrow's enterprise apps
Memory	6GB RAM/64GB UFS Flash 8GB RAM/64GB UFS Flash 8GB RAM/128GB UFS Flash	4GB RAM/64GB UFS Flash (TC52ax); 4GB RAM/32GB UFS Flash (TC52x/TC57x)	4GB RAM/32GB Flash	2GB RAM/16GB Flash 4GB RAM/32GB Flash	New configurations double the RAM and Flash memory for better multi-tasking
Android™ support	Upgradeable to Android 17	Upgradeable to Android 14	Upgradeable to Android 14	EOS at Android 8	Support to Android 17 offers a superior roadmap and investment protection
Display	6.0 in Full High Definition+ (2160 x 1080)	5.0 in Full High Definition (1920 x 1080)	5.0 in High Definition (1280 x 720)	5.0 in High Definition (1280 x 720)	20% larger display allows for a readable font size; larger easy-to-press icons; crisp, sharp images — and more information can be shown in a single view with less scrolling
Recycled plastics	Constructed with 25% post-consumer recycled plastic	No	No	No	Most sustainable TC5 Series device today; invest in a device that's good for your business and the environment
LATEST WIRELESS TECHNOLOGIES					
Wi-Fi	Wi-Fi 6E	Wi-Fi 6 (TC52ax); Wi-Fi 5 (TC52x/TC57x)	Wi-Fi 5	Wi-Fi 5	Delivers better application performance with faster and more dependable wireless connections: Wi-Fi 6E is up to 3x faster, with less interference and up to 4x greater network capacity than Wi-Fi 5
Cellular	2nd gen 5G (Rel 16) Private 5G	4G	4G	4G	Second generation 5G Rel 16 gives workers access to faster cellular speeds and stronger connections; support for private 5G enables cost-effective wireless connectivity in expansive outdoor and indoor facilities
Bluetooth	V5.3	V5.0	V5.0	V4.1	Newer Bluetooth standard offers better audio quality, lower power requirements and flexible connectivity options
MORE SECURE					
Secure Element	Yes (Select SKUs)	No	No	No	Provides the best physical security through a dedicated chip that prevents physical hardware attacks
Biometric facial recognition	Identity Guardian¹	Identity Guardian¹	Identity Guardian¹	Lacks front-facing camera	Convenient, secure user authentication for enterprise shared or personally assigned devices
MORE RUGGED					
Drop specification	8 ft (2.4m) drops to concrete with protective boot 6 ft (1.8m) drops to tile over concrete no protective boot Exceeds MIL-STD-810H	6 ft (1.8m) drops to concrete with protective boot 4 ft (1.2m) drops to tile over concrete, no protective boot MIL-STD-810G	6 ft (1.8m) drops to concrete with protective boot 4 ft (1.2m) drops to tile over concrete, no protective boot MIL-STD-810G	6 ft (1.8m) drops to concrete with protective boot 4 ft (1.2m) drops to tile over concrete, no protective boot MIL-STD-810G	The most rugged TC5 Series device yet; increased impact protection and rugged specs translate to greater uptime and fewer repairs
Tumble specification	1000 1.6 ft (0.5m) tumbles 1000 3.2 ft (1.0m) tumbles with protective boot	500 1.6 ft (0.5m) tumbles	500 1.6 ft (0.5m) tumbles	500 1.6 ft (0.5m) tumbles	
MORE FEATURES					
Integrated short-range UHF RFID	Yes (TC53e-RFID)	No	No	No	TC53e-RFID provides short-range UHF RFID in an integrated handheld form factor; no additional batteries or peripherals to manage
Cameras	16 MP rear + High Dynamic Range (HDR) 8 MP front	TC52x/TC57x: 13 MP rear autofocus 5 MP front TC52ax: 13 MP rear with Phase Detection Autofocus (PDAF)/ 5 MP front	13 MP rear 5 MP front	13 MP rear	Higher resolution cameras provide better image quality for documenting proof of delivery/condition; improved video call experience
Scan engine options	SE4720; SE55; SE4770 (TC58e)	SE4720; SE55 (TC52ax)	SE4710	SE4710	The SE55 can quickly capture barcodes in hand or on the top shelf of a high rack; SE4770 offers enhanced standard range performance and a cross-hair laser aimer for outdoor/ T&L applications
Battery options and features	Standard: 4680 mAh Extended: 7000 mAh BLE battery: 4680 mAh Wireless charge: 4680 mAh² PowerPrecision+, Fast charging, Warm Swap	>4150 mAh PowerPrecision+, Fast charging, Warm Swap	>4150 mAh, PowerPrecision+, Fast charging	>4150 mAh, PowerPrecision+, Fast charging	Broadest battery lineup lets you choose the battery features and capacity you need; BLE battery enables location of device even if it's powered off or the battery is depleted (requires Device Tracker license)
Audio	Smart amps Two speakers, three microphones, HD voice, Super-wideband (SWB), Wideband (WB), Fullband (FB) audio	One speaker, three microphones, HD voice, Super-wideband (SWB), Fullband (FB) audio	One speaker, three microphones, HD voice, Super-wideband (SWB), Fullband (FB) audio	One speaker, two microphones, HD voice	Workers can easily hear every word on every call; Smart amps delivers maximum speaker volume without damaging sensitive speaker electronics

1. Biometric authentication requires Identity Guardian license 2. Wireless charge battery available on TC58e only
* NOTE: Feature comparisons are to legacy TC5 Series devices: TC51/TC56, TC52/TC57, TC52x/TC57x/TC52ax. The comparison does not extend to the TC53 or TC58.



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