



**TC5x Series
Product
Environmental
Attributes**

Putting Sustainability at the Heart of Our Products



When it comes to creating sustainable products, Zebra is committed. From company-wide global initiatives to the end-to-end product life cycle from manufacturing to retirement, our green initiatives protect the planet—and the people who make and use our products.

Eco-friendly attributes⁴

- No halogens
- No mercury
- No PFO/PFOAs
- No latex
- Compliant with global RoHS requirements



A-to-Z sustainable packaging

- Our packaging is 100% recyclable:
- 98% biodegradable packaging, including a bio-based TPU retention film
 - The cardboard box is made from 50% recycled content
 - All paper is non-bleached and contains 50% recycled content

Green battery technology

- Removable, easy to recycle battery
- Reduced spare battery pool: long 26 hour² battery run time, plus visibility into battery health to ensure that all batteries can hold a full charge
- Zebra Charge Manager allows more efficient charging and longer battery lifetime

Life cycle analysis for proven sustainability

Cradle-to-grave analysis of the last-gen device allows Zebra to understand and improve TC53/TC58's impact on the climate; results are summarized in the environmental product data sheet

Power consumption

- 36% less energy consumed than the US Department of Energy (DoE) requirements for battery charger systems¹
- Fast charging in just 1 hour, 40 minutes
- Zebra Technologies external power supplies meet DoE Level VI and all international efficiency requirements

Use fewer device types

Zebra solutions provide 4-in-1 true device convergence—the TC53 and TC58 can also function as an on-the-job smartphone, 2-way radio and PBX handset, substantially reducing plastics and electronics volumes, as well as cost

Advanced NFC reading

- Avoid the spread of germs: the most complete Android NFC reading enables NFC contactless ticketing and payment
- Reduced waste from eliminating physical tickets



Lower consumption of devices, accessories and batteries through maximized life cycles

Most carbon emissions occur in the raw material and manufacturing stages—the fewer devices you use, the more you reduce greenhouse gasses

- The rugged design is built to deliver 4+ years of service
- 8 years of security: keep your devices secure every day of their long life cycle with LifeGuard™ for Android™³
- 8 years of repair and technical support: no need to retire working devices due to lack of available support³
- Universal cradles are compatible with past and future device generations
- No lost devices to replace: Device Tracker locates devices even if the battery is dead
- Reduced spare device pool: no-cost Mobility DNA™ troubleshooting tools keep devices on-site and in the hands of your workers—instead of the service center

Zebra's Circular Economy provides life cycle management of products that reduce your overall carbon impact

Takeback Recycling Program

Zebra offers free recycling for end of life devices and will provide a certificate of destruction upon request

Device Buy-Back Program

Your end of life devices may be eligible for a device buy-back, enabling a 'green' upgrade to the next generation devices

Certified Refurbished Device Program

Purchase or rent Certified Refurbished devices, which perform like new, to meet season surges and bridge gaps to a tech refresh

Battery Recycling Services

We offer a variety of options, depending on location, from convenient drop-off locations to complete a-to-z battery management, where Zebra handles it all for you

For more information, please visit zebra.com/tc5x

Sustainability results apply to: TC58, TC53, TC57x, TC52ax, TC52x, TC52ax-HC, TC52x-HC

1. Testing the TC53 with USB-C charging, in accordance with the Unit Energy Consumption for battery charger tests. 2. TC53 using an indoor scanning profile and a 4680 mAh battery. 3. Eight (8) years of LifeGuard and Zebra OneCare support are available from the first date product is available for sale. 4. All electronic products from Zebra may contain other trace amounts of chemicals on the IEC 62474 list of hazardous substances.

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