

# TC15 Mobile Computer

Rugged, the right features, the right price — from a leader you can trust

The on-demand economy is creating an ever-increasing volume of orders that need to be delivered at ever-increasing speeds — including same day. To address this challenge, workers at every point in the supply chain need to be able to easily access and collect information. You need a device that is designed for many different environments for different types of jobs — from transportation and logistics to retail. Introducing the device that can address it all — the TC15 mobile computer. You get the features workers need to complete tasks faster, with flawless accuracy. A rugged design that performs reliably inside facilities as well as out in the field. The power to seamlessly support many workflow applications. An extra-large 6.5 inch screen to see more information — with less scrolling. Full shift battery power. Consistently reliable scanning. Unmatched ergonomics. All in a proven device with proven technology — and a new level of affordability..



## Built to last — yet less than the total cost of a cell phone

### The rugged device designed for durability — and comfort

The TC15 is built for business from the inside out. It's waterproof, dustproof and drop-proof — surviving drops to concrete, one of the most challenging surfaces. Use it in the blazing heat or freezing cold, out in the rain or snow. Two of the most vulnerable features — the display and scanner window — are reinforced with a scratch-resistant glass with a beautiful surface. Are your environments more demanding? Just add the optional rugged boot for even more durability.

While your business will benefit from the cost-saving rugged design, your workers will benefit from its extremely ergonomic design. In a device with a large 6.5 in. screen, balance is crucial — Zebra's award-winning Industrial Design team optimized the weight distribution so your users will find holding the TC15 virtually effortless. And all touchpoints have been thoughtfully created — from rounded corners, button size and location to a specially designed wave texture on the back to enable a solid grip.

### Costs much less to own than a cell phone<sup>1</sup>

Consumer cell phones require more frequent maintenance and device replacements due to lack of durability — and it shows in the total cost of ownership. While consumer cell phones can cost as little as half of their rugged counterparts, over five years, the average consumer cell phone will cost nearly 2.5x more in operating costs, 2.5x more in lost productivity and nearly 2x the IT support costs.<sup>1</sup>

## Loaded with all the features your workers need to do business better — and faster

### All the wireless connections your workers need to stay connected

5G delivers the super fast and reliable connections needed to maximize productivity — with less battery power. Enable two cellular networks with dual SIM card slots — ideal for workers who travel in areas that are served by multiple networks. Inside buildings, fast Wi-Fi gives workers a solid and dependable wireless connection. This Wi-Fi 6 ready device supports 8 x 8 sounding for extended performance, and Target Wake Time for improved power efficiency.<sup>2</sup>

**The TC15 — the right-priced rugged mobile computer that's ready for business.**

For more information, please visit [www.zebra.com/tc15](http://www.zebra.com/tc15)

Bluetooth 5.1 BLE delivers improved connection stability and easy pairing, providing workers with solid and dependable Bluetooth connections to headsets, mobile printers and more. And with NFC 'one-tap', workers can just tap to pair a device, check an ID card, verify a package on a loading dock and more.

### **World-class integrated scanning**

Virtually every industry relies on crucial business data embedded in barcodes. But capturing barcode data with the camera in consumer smartphones is slow and cumbersome, requiring alignment of barcode and scanner — and an undamaged barcode. With the integrated omni-directional enterprise-class scanner, there's no need to align barcode and scanner. Workers get split-second effortless point-and-shoot capture of virtually any barcode — including 1D, 2D and Digimarc — even if they are damaged, poorly printed or dirty. The scanner also captures images, enabling third party OCR applications to automatically capture text information, such as license plate data to streamline the ticketing process, information on labels to track shipments in a warehouse, and serial numbers in manufacturing to track and trace parts and equipment. And support for Unique Device Identification (UDI) barcodes enables better tracking and management of assets and equipment.

### **An exceptionally large 6.5 inch display**

The large screen means more information and less scrolling. The display is easy to read indoors and outside — even in bright sunlight. It works when wet, even with gloves — ideal on rainy or snowy days. And it supports all the familiar gestures your workers already use on their personal cell phones, virtually eliminating the need for training.

### **The constant battery power your workers need**

The 5000 mAh high capacity battery is more than you need for a full shift. With fast charging, batteries are 80 percent charged in less than two hours. And since the battery is removable, devices are never out of service — a dead battery can be replaced with a fully charged battery at any time.

### **The power to run all your applications — simultaneously**

The advanced Qualcomm octa-core 2.2 GHz processor provides users with the fast response times they expect on all the apps they need — from GPS to the most data-intensive applications.

### **Take ultra-high resolution photos**

Take sharp, detailed photographs for proof of condition and delivery, visual in-store merchandising audits to ensure quality and compliance and more with the 13 MP autofocus rear camera.

### **Resolve issues faster with video calls**

Personalize your communications with video calls that also improve workflow efficiency and reduce errors. The TC15 enables workers to reach managers or a remote product expert for on-the-spot answers to questions customers may have about a product, improving the quality and speed of customer service. And field service technicians can get help from a remote expert technician to enable a repair on the first visit, eliminating the high cost of a second visit — and improving customer satisfaction.

### **Business-class accessories for easier device management**

Charge the TC15 and a spare battery with the TC15 charging cradle — ideal for multi-shift work environments. If you charge devices in a backroom, you can connect as many chargers as you need with a snap-on connector. A quick-release hand strap provides a safe and secure grip. For more demanding environments, a rugged boot allows devices to handle a 5 ft./1.5 m drop. And you can charge the TC15 in the charging cradle with or without the protective boot.

## **Increase the productivity of your workforce and device value with no-cost Zebra Mobility DNA™ Professional tools**

### **Make your devices more secure**

Add powerful enterprise features to standard Android with Mobility Extensions (Mx) — choose from over a hundred features to increase security, improve device manageability and more. Control the GMS apps and services that are available on your devices with GMS Restricted Mode. Automatically enable EMM support for every feature in your TC15 with OEMConfig. Control the applications and device features workers can access with Enterprise Home Screen — no developer required.

### **Easily integrate devices into your business**

Enter barcodes into your apps right out of the box with DataWedge — no programming required. Integrate all the features of your devices into your apps with Zebra's Enterprise Mobility Development ToolKit (EMDK).

### **Easily get and keep devices in the hands of your workers**

Stage a handful or thousands of devices for use in seconds with all the right device settings and all of your apps with StageNow. Collect targeted diagnostics for easier troubleshooting with RxLogger. And you can test all main mobile computer systems with the press of a button with Device Diagnostics. Device issues that can be resolved on site are easily identified, eliminating the high cost of needlessly shipping a device to the repair center.

# Specifications

## Physical Characteristics

|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| Dimensions          | 6.92 in. L x 3.09 in. H x 0.56 in. D<br>175.8 mm L x 78.6 mm W x 14.2 mm D                    |
| Weight              | 9.38 oz/266 g                                                                                 |
| Display             | 6.5 inch/16.51 cm HD+, 720 x 1600, 450 NITS                                                   |
| Touch Panel         | Capacitive multi-touch                                                                        |
| Power               | Removable, rechargeable Li-Ion battery, 5,000 mAh; 19.35Wh                                    |
| SIM                 | Dual nano SIM or One NANO one Micro SD                                                        |
| Network Connections | WLAN, WWAN, WPAN, Type C USB 2.0                                                              |
| Notifications       | Audible tone; multi-color LEDs; vibration                                                     |
| Keypad              | On-screen touch keypad                                                                        |
| Voice and Audio     | Speaker 1 Watt<br>Two (2) microphones<br>Audio headset supported from USB-C port or Bluetooth |
| Buttons             | Scan button on each side; volume up/down button; power button; Programmable button            |

## Performance Characteristics

|                  |                                                                         |
|------------------|-------------------------------------------------------------------------|
| CPU              | Qualcomm Snapdragon™ SM6375<br>Octa- (8) Core 2.2 GHz (2) & 1.8 GHz (6) |
| Operating System | Upgradeable to Android 13                                               |
| Memory           | 4 GB RAM/64 GB Flash                                                    |
| Security         | Verified boot, secure boot                                              |

## User Environment

|                               |                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temp.               | 14°F to 122°F/-10°C to 50°C                                                                                                                                                |
| Storage Temp.                 | -40°F to 158°F/-40°C to 70°C                                                                                                                                               |
| Humidity                      | 5% to 95% non-condensing                                                                                                                                                   |
| Drop Specifications           | 4 ft./1.2 m drop to concrete per MIL-STD 810G across operating temperature<br>5 ft./ 1.5 m drop to concrete per MIL-STD 810G across operating temperature with rugged boot |
| Tumble Specification          | 1,000 tumbles, 1.6 ft./0.5 m                                                                                                                                               |
| Sealing                       | IP65 and IP67                                                                                                                                                              |
| Vibration                     | Sine: 4 g's peak, 5 Hz to 2 kHz, 1 hour duration per axis<br>Random: 0.04 g <sup>2</sup> /Hz or 6 g RMS, 20 Hz to 2 kHz                                                    |
| Electrostatic Discharge (ESD) | +/-15 kV air discharge, +/- 8 kV direct discharge;<br>+/- 8 kV indirect discharge                                                                                          |

## Wireless LAN

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radio                   | Wi-Fi 5<br>802.11a/b/g/n/ac/d/h/i/r/w/k IPv4, IPv6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Data Rates              | 2.4 GHz: 802.11b/g/n — 20 MHz, 40 MHz — up to 150 Mbps<br>5 GHz: 802.11a/g/n/ac — 20 MHz, 40 MHz, 80 MHz — up to 433 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operating Channels      | Bands Of Operation: 2.4 GHz:<br>2.4 GHz to 2.497 GHz channels 1-13<br>Band of operation 5 GHz:<br>20 MHz channels:<br>5.15 GHz — 5.25 GHz (channels 36-48)<br>5.25 GHz — 5.35 GHz (channels 52-64)<br>5.470 GHz — 5.725 GHz (channels 100-140,144)<br>5.725 GHz — 5.825 GHz (channels 149-161)<br>5.825 GHz — 5.850 GHz (channel 165)<br>40 MHz channels (38, 46, 54, 62, 102, 110, 118, 126, 134, 142, 151, 159)<br>80 MHz channels (42, 58, 106, 122, 138, 155)<br>Actual operating channels/frequencies and bandwidths depend on regulatory rules and certification agency |
| Security and Encryption | WEP Encryption<br>WPA-Personal and WPA-Enterprise security modes with TKIP encryption<br>WPA2-Personal and WPA2-Enterprise security modes with TKIP and AES encryptions.<br>WPA3-Personal and WPA3-Enterprise security; EAP-TTLS (PAP, MSCHAP, MSCHAPv2); PEAPv0-MSCHAPv2; PEAPv1-EAP-GTC; EAP-TLS                                                                                                                                                                                                                                                                            |
| Fast Roam               | 802.11r (Over-The-Air)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Certifications          | WFA 802.11ac; WFA 802.11n; WFA WMM; WFA WPA and WPA2 certification in Personal & Enterprise modes; WFA WPA3; WFA Wi-Fi Direct                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Wireless PAN

|           |                            |
|-----------|----------------------------|
| Bluetooth | Bluetooth 5.1 BLE, Class 2 |
|-----------|----------------------------|

## Warranty

Subject to the terms of Zebra's hardware warranty statement, the TC15 is warranted against defects in workmanship and materials for a period of one (1) year from the date of shipment. For complete warranty statement, please visit [www.zebra.com/warranty](http://www.zebra.com/warranty)

## Environmental Compliance

RoHS Directive 2011/65/EU; Amendment 2015/863; REACH SVHC 1907/2006  
For a complete list of product and materials compliance, please visit [www.zebra.com/environment](http://www.zebra.com/environment)

## Recommended Services

Protect your TC15 mobile devices with Zebra OneCare™ SV, the right-priced service for Zebra's right-priced mobile devices. You get two years of protection against failure, coverage for normal wear and tear, live and online technical support, priority repair turnaround time and free shipping, as well as cloud-based visibility into reports on your devices — including repairs, tech support cases, contracts, LifeGuard Analytics for Android security patch status, and more. For more information on recommended services, please visit [www.zebra.com/zebraonecare](http://www.zebra.com/zebraonecare)

# Markets and Applications

## Transportation and Logistics

- Proof of delivery
- Proof of condition
- Route accounting
- Employee ID checks
- Asset management

## Retail and Hospitality

- Price check
- Info/Item look up
- Task assignment/management
- Inventory and cycle counts
- Put-away
- Replenishment
- Order picking
- Receiving/shipping
- Asset management

## Field Service

- Parts inventory
- Route accounting and invoicing
- Route optimization
- Scheduling and location-based services
- Training
- Asset management

## Manufacturing/Warehousing

- Picking/collecting
- Shipping
- Receiving
- Asset management

## Interactive Sensor Technology (IST)

|                  |                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Light Sensor     | Automatically adjusts display brightness, display backlight                                                                       |
| Motion Sensor    | 3-axis gyroscope; 3-axis accelerometer                                                                                            |
| Proximity Sensor | Automatically detects when the user places the handset against head during a phone call to disable display output and touch input |

## Data Capture

|          |                                                                                                                                         |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Scanning | SE4100 1D/2D Scan Engine, SE4710 1D/2D Scan Engine <sup>3</sup>                                                                         |
| Camera   | Rear camera: 13 MP auto-focus camera with user controllable LED flash<br>Front camera: 5 MP                                             |
| NFC      | Reader/Writer: ISO 14443 Type A and B, MIFARE, FeliCa®, ISO 15693, NFC Forum Tag Types 1 to 5; Host Card Emulation, NFC Forum compliant |

## Wireless WAN Data

|                      |                                                                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radio Frequency Band | Support for 3GPP Rel-15, SA&NSA, 4x4 MIMO, NRCA, DLCA<br>5G FR1:<br>n1/2/3/5/7/8/20/28/38/40/41/66/77/78<br>LTE:<br>B1/2/3/4/5/7/8/20/28/B38/39/40/41/42/43<br>UMTS: B1/2/4/5/8<br>GSM: 850/900/1800/1900 |
| GPS                  | GPS with A-GPS; Glonass; BeiDou; Galileo                                                                                                                                                                  |

## Regulatory

For Regulatory information, please visit [www.zebra.com/tc15](http://www.zebra.com/tc15)

## Footnotes

1. Enterprise Mobility Total Cost of Ownership: from the Expected to the Unexpected — Uncovering the True Costs of Mobile Solutions for Frontline Mobile Workers, VDC Research Group, October 2020
2. Future upgrades and updates will not support additional Wi-Fi 6 functionality
3. Scan engine availability varies by country
4. Requires sideloading

## Mobility DNA™ Professional Integrated Solutions

Mobility DNA solutions help you get more value out of our mobile computers by adding functionality as well as simplifying deployment and management of our mobile devices. For more information on these Zebra-only features, please visit [www.zebra.com/mobilitydna](http://www.zebra.com/mobilitydna). Mobility DNA is available on Android only. Features may vary by model and a Support Contract may be required. To learn which solutions are supported, please visit: <https://developer.zebra.com/mobilitydna>



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