



**Running a small business is hard work.  
Finding the tool to help you run it better is easy.**

## **The TC20 Mobile Computer**

**THE RIGHT LOOKS. THE RIGHT BUSINESS FEATURES. THE RIGHT PRICE.**

**You're running a small business. And that means there's so much to do...and so little time.  
Now, there's a new small business tool that will help you do more — in less time.**

- Take inventory painlessly, at record speed.
  - Keep the items your customers want on the shelves of your store — instead of the backroom.
  - Answer any customer question on the spot.
  - Reach any worker to help with any task with the press of a button.
  - Give more customers the extraordinary service that results in more loyalty — and more return visits.
- ...all with the small business mobile computer designed for the way you work — and where you work.



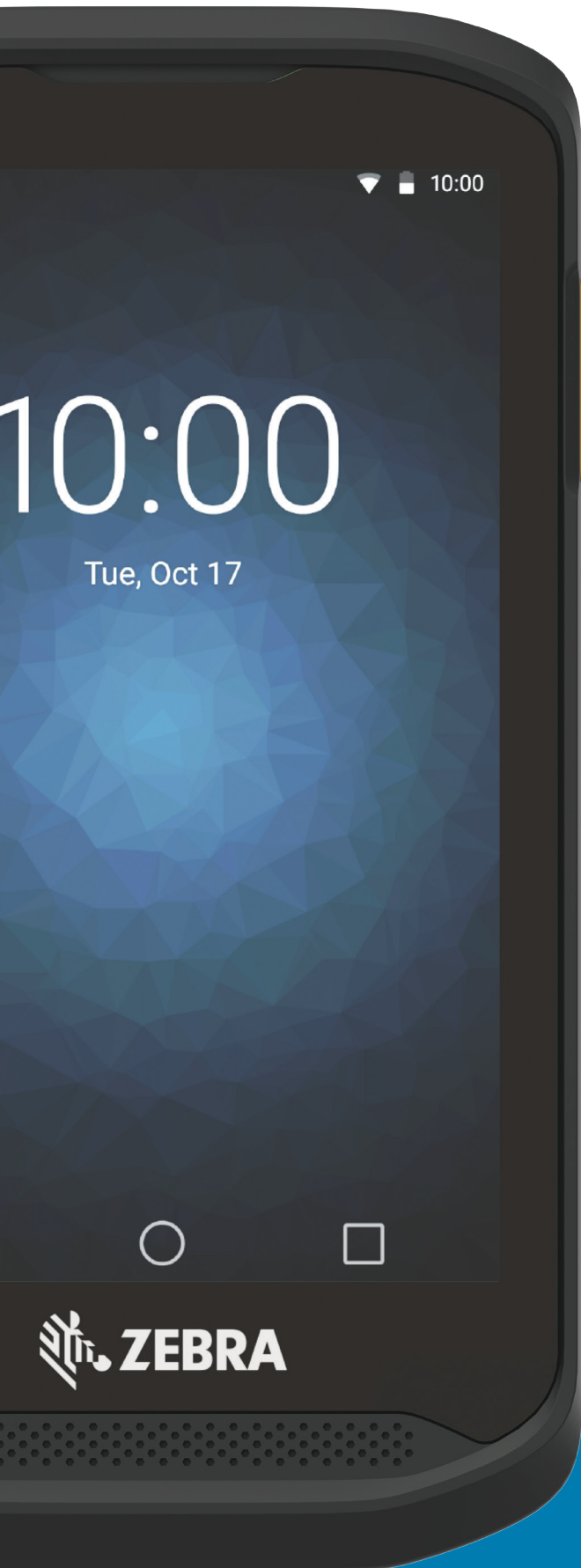
**Get the small business tool that gives you more.  
More time. More money. More sales. More productivity.  
The TC20 — the small business tool done right.**

For more information, visit [www.zebra.com/tc20](http://www.zebra.com/tc20)



**ZEBRA**

# The TC20 puts all the features you need to save time and money, increase sales and boost profitability in your store, right in the palm of your hand.



## Built for work

Drop it on the floor. Spill water on it. Use it in a dusty backroom, out in the rain, extreme heat or below freezing temperatures. The TC20 can handle it all.

## All day power — always

Running low on power? No problem. No need to find a charger — just snap on the unique PowerPack and keep on working.

## A real scanner for real time-savings

Smartphone cameras aren't built for barcode scanning — that's why the TC20 delivers the same scanning technology that most of the world's retailers rely on every day. You get instant and effortless point-and-shoot capture of any electronic or printed barcode in any condition — just like taking a photo. And if you have a task that requires the capture of a lot of barcodes, do it comfortably with the snap-on snap-off trigger handle.

## Instantly document everything

Document anything with the 8 MP autofocus color camera — from damage to a return to a copy of a driver's license for a credit card application.

## When it comes to service and support, we've got you covered

Get the right level of support for the right price with Zebra OneCare™ SV. You get two years of coverage for normal wear and tear and device failure, unmatched from-the-manufacturer technical support, a Device Diagnostics Tool for onsite troubleshooting, priority repair turnaround time, free return shipping, and more. All for a fraction of the cost of a single, uncovered repair.

## Easy to use — no learning curve

The TC20 brings the smartphone simplicity you want in a business tool — from Android to the bright screen that is easy to see indoors and outside, to the large display and three programmable buttons to instantly access your most used features and applications.

## Doubles as a walkie-talkie

Get the power of an instant voice connection — at no cost. With the press of a button, you can reach a specific worker, a specific group of workers, or all of your workers.\*

## The fastest wireless connections

All wireless radios are not created equally. With the TC20, you not only get the fastest Wi-Fi and Bluetooth connections, you get wireless connections that are as dependably solid and fast as wired connections.

## Charge it your way

The TC20 charging cradle couldn't be more versatile. Charge the all-touch or keyboard models with or without the PowerPack. Charge the all-touch model with or without the trigger handle. Or charge the PowerPack alone — all with one cradle. And the 5-slot universal ShareCradle enables the efficient, cost-effective use of space in the backroom.

## Entering barcodes into your apps couldn't be easier

Send barcodes captured with the scanner right into your existing apps with Zebra's DataWedge — no programming or modification of your existing apps required. The result? A big time-savings — without any cost.

**GET BIG BUSINESS TECHNOLOGY FOR YOUR SMALL BUSINESS.** For 45 years, Zebra has made innovative mobile devices that power the world's largest retailers, driving efficiency, sales and profitability into the store. Now, with the TC20, you can put that same innovation to work in your store.

# TC20 Specifications

## PHYSICAL CHARACTERISTICS

<b>Dimensions</b>	<b>TC20 ALL-TOUCH:</b> 5.27 in. L x 2.82 in. W x .63 in. D 134 mm L x 73.1 mm W x 16 mm D
	<b>TC20 WITH KEYBOARD:</b> 6.45 in. L x 2.82 in. W x .63 in. D 164 mm L x 73.1 mm W x 16 mm D
<b>Weight</b>	<b>TC20 ALL-TOUCH:</b> 6.88 oz./195 g <b>TC20 WITH KEYBOARD:</b> 7.58 oz./215 g
<b>Display</b>	4.3 in. color WVGA (800x480); LED backlight; Corning Gorilla Glass
<b>Imager Window</b>	Corning Gorilla Glass
<b>Touch Panel</b>	Capacitive Touch Panel; multi-touch
<b>Power</b>	Non-removable Rechargeable Li-Ion: standard capacity, 3000mAh Charge in under 4 hours (10hrs = 1 Shift) RTC backup
<b>Expansion Slot</b>	One 128GB micro SD slot
<b>Network Connections</b>	One USB OTG - host/client (Type C connector)
<b>Notifications</b>	Unsolicited packet data and programmable
<b>Keypad</b>	<b>TC20 All-Touch:</b> On-screen Keypad <b>TC20 Keyboard:</b> Numeric
<b>Voice</b>	PTT Pro, PTT Express
<b>Audio</b>	Speaker - 1 Watt (94dBA) Voice support (Internal speaker/microphone) 2 microphones Audio jack
<b>Buttons</b>	Scan on each side, Volume Up/Down, Power, push-to-talk (PTT) Key

## PERFORMANCE CHARACTERISTICS

<b>CPU</b>	QCOM MSM8937® 64-bit 8-Core, ARM® Cortex A53 1.4GHz, 512KB L2 cache, power-optimization
<b>Operating System</b>	Android Nougat 7.X
<b>Memory</b>	2GB RAM/16 GB Flash memory
<b>Security</b>	Verified Boot

## USER ENVIRONMENT

<b>Operating Temperature</b>	14° F to 122° F / -10° C to 50° C
<b>Storage Temperature</b>	-40° F to 158° F / -40° C to 70° C
<b>Drop Specifications</b>	Multiple 4 ft./1.2 m drop to tile over concrete per MIL-STD at room temperature
<b>Tumble Specifications</b>	300 tumbles, 1.6 ft./0.5 m
<b>Sealing</b>	IP54

## USER ENVIRONMENT (CONTINUED)

<b>Vibration</b>	4G peak, 5 Hz to 2 kHz, 1 hour duration per axis
<b>Thermal Shock</b>	-40°C to 70°C rapid transition 10 cycles (1 cycle = 1.25 hours at -40°C and 1.25 hours at 70°C)
<b>Electrostatic Discharge (ESD)</b>	+/-15kv Air, +/-8kv contact, +/-8kv charge body

## INTERACTIVE SENSOR TECHNOLOGY (IST)

Accelerometer (3-axis), ambient light sensor, proximity sensor

## DATA CAPTURE

<b>Scanning</b>	SE2100 1D/2D imager SE4710 1D/2D imager + rear camera
<b>Rear Camera</b>	8MP autofocus color camera with flash
<b>RFID</b>	RFD2000 UHF RFID snap-on sled

## WIRELESS LAN

<b>WLAN Radio</b>	802.11 a/b/g/n/ac/d/r/h/i IPv4, IPv6
<b>Data Rates</b>	2.4 GHz: 20 MHz, 40 MHz 5 GHz: 20 MHz, 40 MHz, 80 MHz
	2.4 GHz (channels 1-13; 1-11(US)) 5GHz (channels 36-48, 52-64, 100-144, 149-165)
<b>Operating Channels</b>	Actual operating channels/ frequencies and bandwidths depend on regulatory rules and certification agency.

<b>Security and Encryption</b>	WPA/WPA2 (PSK & Enterprise 802.1x); EAP- TTLS; PEAPv0-MSCHAPv2; EAP-TLS
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<b>Certifications</b>	802.11a/b/g/n; WPA; WPA2
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<b>Fast Roam</b>	802.11r
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## WIRELESS PAN

<b>Bluetooth</b>	Bluetooth 4.2 BLE
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## MOBILITY DNA SOLUTIONS

 <b>Mobility Extensions (Mx)</b>	 <b>SmartDEX</b>
 <b>Lifeguard™ for Android™</b>	 <b>DataWedge</b>
 <b>StageNow</b>	 <b>EMM Tool Kit</b>

Mobility DNA is available on Android only. Features may vary by model and a Support Contract may be required. To learn what solutions are supported, please visit: <https://developer.zebra.com/mobilitydna>

## WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the TC20 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit: [www.zebra.com/warranty](http://www.zebra.com/warranty)

## RECOMMENDED SERVICES

Zebra OneCare™ SV

## Put the TC20 to work in:

### Retail

- Front of store
- Back of store
- Stocking
- Receiving
- Shipping/Truck loading
- BOPIS (buy online, pick up in store)

### Hospitality

- Order taking

### Light warehouse

- Stocking
- Receiving
- Shipping/Truck loading

\* Just set up the pre-installed, free Workforce Connect PTT Express software to enable calls between workers carrying the TC20 and any Zebra PTT Express-enabled compatible Android or Windows mobile device.



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