



**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.

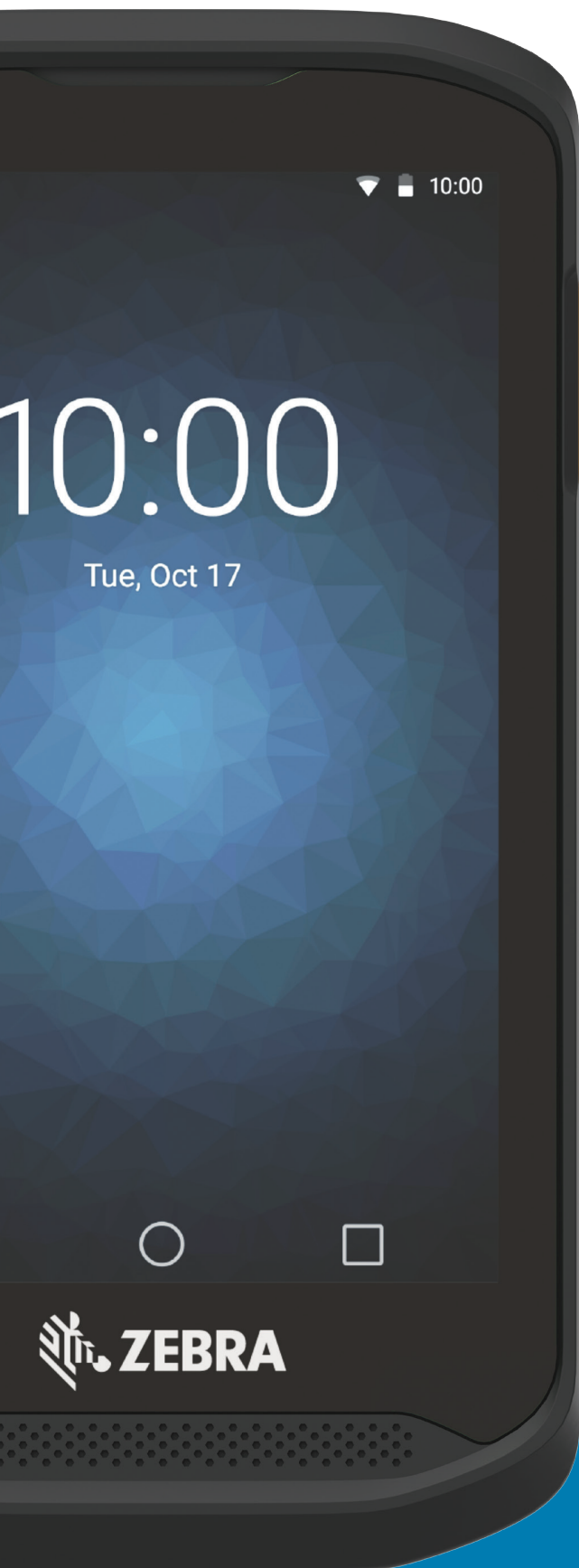
More time. More money. More sales. More productivity.

The TC20 — the small business tool done right.

For more information, visit www.zebra.com/tc20



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	
Dimensions	TC20 ALL-TOUCH: 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
	TC20 WITH KEYBOARD: 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
Weight	TC20 ALL-TOUCH: 6.88 oz./195 g TC20 WITH KEYBOARD: 7.58 oz./215 g
Display	4.3 in. color WVGA (800x480); LED backlight; Corning Gorilla Glass
Imager Window	Corning Gorilla Glass
Touch Panel	Capacitive Touch Panel; multi-touch
Power	Non-removable Rechargeable Li-Ion: standard capacity, 3000mAh Charge in under 4 hours (10hrs = 1 Shift) RTC backup
	Expansion Slot
Network Connections	One USB OTG - host/client (Type C connector)
Notifications	Unsolicited packet data and programmable
Keypad	TC20 All-Touch: On-screen Keypad TC20 Keyboard: Numeric
Voice	PTT Pro, PTT Express
Audio	Speaker - 1 Watt (94dBA) Voice support (Internal speaker/microphone) 2 microphones Audio jack
	Buttons
PERFORMANCE CHARACTERISTICS	
CPU	QCOM MSM8937® 64-bit 8-Core, ARM® Cortex A53 1.4GHz, 512KB L2 cache, power-optimization
Operating System	Android Nougat 7.X
Memory	2GB RAM/16 GB Flash memory
Security	Verified Boot
USER ENVIRONMENT	
Operating Temperature	14° F to 122° F / -10° C to 50° C
Storage Temperature	-40° F to 158° F / -40° C to 70° C
Drop Specifications	Multiple 4 ft./1.2 m drop to tile over concrete per MIL-STD at room temperature
Tumble Specifications	300 tumbles, 1.6 ft./0.5 m
Sealing	IP54

USER ENVIRONMENT (CONTINUED)	
Vibration	4G peak, 5 Hz to 2 kHz, 1 hour duration per axis
Thermal Shock	-40°C to 70°C rapid transition 10 cycles (1 cycle = 1.25 hours at -40°C and 1.25 hours at 70°C)
Electrostatic Discharge (ESD)	+/-15kv Air, +/-8kv contact, +/-8kv charge body
INTERACTIVE SENSOR TECHNOLOGY (IST)	
Accelerometer (3-axis), ambient light sensor, proximity sensor	
DATA CAPTURE	
Scanning	SE2100 1D/2D imager SE4710 1D/2D imager + rear camera
Rear Camera	8MP autofocus color camera with flash
RFID	RFD2000 UHF RFID snap-on sled
WIRELESS LAN	
WLAN Radio	802.11 a/b/g/n/ac/d/r/h/i IPv4, IPv6
Data Rates	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)
Operating Channels	Actual operating channels/ frequencies and bandwidths depend on regulatory rules and certification agency.
Security and Encryption	WPA/WPA2 (PSK & Enterprise 802.1x); EAP- TTLS; PEAPv0-MSCHAPv2; EAP-TLS
Certifications	802.11a/b/g/n; WPA; WPA2
Fast Roam	802.11r
WIRELESS PAN	
Bluetooth	Bluetooth 4.2 BLE
MOBILITY DNA SOLUTIONS	
 Mobility Extensions (Mx)	 SmartDEX
 Lifeguard™ for Android™	 DataWedge
 StageNow	 EMM Tool Kit
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	
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.

SPECIFICATION SHEET
TC20 MOBILE COMPUTER



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TC2X SERIES ACCESSORIES BROCHURE



TC20/25 Accessory Ecosystem

Base Single Slot Cradle
CRD-TC2X-BS1CO-01



Hand Strap
SG-TC2X-HSTRP1-01
SG-TC20K-HSTRP1-01



ShareCradle System
1-slot Ethernet (CRD-TC2X-SE1ET-01)
5-Slot Charge Only (CRD-TC2X-SE5CU-01)



TC20K Soft Holster
SG-TC20K-HLSTR1-01



TC2X Soft Holster
SG-TC2X-HLSTR1-01



Trigger Handle
TRG-TC2X-SNP1-01



Arm Mount*
SG-TC2X-ARMNT-01



Also Supports...

DX30

Wall Power Supply

Cig Lighter Adapter- Type A

Ethernet Dongle

RS6000/RS507x

USB C Cable
CBL-USB-MPM1-01

Optional PowerPack Battery
BTRY-TC2X-PRPK1-01



*Item not available in all countries.



Additional PowerPack Battery

BTRY-TC2X-PRPK1-01

TC2X Optional PowerPack Battery

- Charges the internal TC2X battery
- Provides additional 8 - 10 hours of battery life
- LED indicators on the top of the PowerPack indicate charge level
- Charges in all of the cradle solutions with or without the TC20/25
- Supports both hand straps (SG-TC2X-HSTRP1-01 and SG-TC20K-HSTRP1-01)

LED's



USB C Connector





Single Slot Base Cradle



CRD-TC2X-BS1CO-01

TC2X Base Single Slot
Cradle

- Single Slot cradle is Charge Only
- Charges PowerPack only and Terminal Only
- Charges PowerPack and Terminal together
- Charges Trigger Handle and Terminal together
- Will NOT support RFID Sled with or without Terminal
- ****“KIT-TC2X-BS1FT-05 - 5 Pack of TC2X Base single slot interconnectors” Can be used to interconnect multiple base single slot cradles together mechanically. ****

Single Slot Base Cradle requires country specific power supply PWR-WUA5V12W0XX (US, EU, GB, AU, CN, BR, KR, IN) & USB C Cable (CBL-USB-MPM1-01)



1 & 5-Slot ShareCradles



CRD-TC2X-SE1ET-01

TC2X Single Slot
Charge/Communication Cradle



CRD-TC2X-SE5CO-01

TC2X 5-Slot Charge
Only Cradle

- Single Slot is only available in Ethernet and 5-slot only available in charge only
- 19 inch Rack Mountable (Mounting accessory required)
- NOTE: These cradles will not support the RFID Sled. A cradle will be created to support this accessory
- NOTE: Single Slot Ethernet to utilize Ethernet Requires (Sold Separately): KT-TC51-ETH1-01 – USB-ETHERNET ADAPTER FOR SHARECRADLE 1-SLOT W SUPPORT BRACKET

5-Slot Cradles requires power supply PWR-BGA12V108W0WW, DC Line Cord CBL-DC-382A1-0 & country specific AC Line Cord (sold separately)



Single Slot Ethernet Cradles requires power supply PWR-BGA12V50W0WW & CBL-DC-388A1-01 & country specific AC Line Cord (sold separately)



TRIGGER HANDLE

TRG-TC2X-SNP1-01

TC2X Snap-On Trigger Handle

Transforms device into all-touch handle style terminal for use in high volume scanning operations



- Easily attaches to TC2X top housing
- Easily removed to access battery
- Integrated 3-point stand for resting terminal when not in use
- Exposed Contacts provide ability to charge with the 5-Slot & Single Slot Cradles
- Optional Wrist Tether (sold separately) 50-12500-066
- The Trigger Handle is only available to be used on the TC2X Series SE4710 SKUs (not applicable for TC20 with Keyboard)

RFID Sled

RFD2000

RFID Gun for TC2X



- Enables a user to scan RFID tags
- Easily attaches to the TC2X top housing
- Exposed contacts Exposed Contacts provide ability to charge w/ the 5-Slot & Single Slot SHARECRADLES (requires a different cup)
- The customer needs the 8-Pin Rugged IO door that is only available on the TC20 Premium SE4710 SKU

Soft Holsters

SG-TC2X-HLSTR1-01/SG-TC20K-HLSTR1-01

TC2X Soft Holster/TC20 Keyboard Soft Holster

- TC2X Open Bucket design to accommodate hand strap + Snap-on's for easy insertion/removal
- Opening for audio & drainage
- Non-rotating clip
- Adjustable belt to fit the TC2X with or without the PowerPack



Hand Strap

SG-TC2X-HSTRP1-01/SG-TC20K-HSTRP1-01

TC2X Hand Strap 3/TC20K Keyboard Hand strap

- Nylon tether that loops into terminal for easy insertion/removal
- Leather and Hypalon Pad for maximum comfort & wear resistance
- Adjustable Velcro design



Arm Mount

SG-TC2X-ARMNT-01

TC2x Arm Mount

- Enables the TC2X to be mounted to the arm for hands free operation
- Opening to use scan buttons or scan with the hands free RS6000 Bluetooth Ring Scanner



USB C Cable

CBL-TC2X-USBC-01

TC20/25 USB C Cable to be used for charging and communications



Wall Charger – Power Supply

PWR-WUA5V12W0XX

Power Supply-100-240 VAC, 5 V, 2.5 A with country specific plugs.



Country	Power Supply Part Number
United States	PWR-WUA5V12W0US
Great Britain	PWR-WUA5V12W0GB
Europe	PWR-WUA5V12W0EU
Australia	PWR-WUA5V12W0AU
China	PWR-WUA5V12W0CN
Brazil	PWR-WUA5V12W0BR
Korea	PWR-WUA5V12W0KR
India	PWR-WUA5V12W0IN

Audio Cables

HSDT-35MM-PTVP-01

Over the ear headset with MIC and PTT 3.5mm
Requires 3.5mm adapter cable
CBL-TC51-HDST35-01 (sold separately)



CBL-TC51-HDST35-01

3.5MM Collared Female to 3.5MM Male Headset adapter Cable.





AC Line Cords Country Specific

Country	Three Wire AC Line Cord
Abu Dhabi	50-16000-220R: 1.8M long, CEE 7/7 plug
Australia	50-16000-217R: 1.9M long, AS 3112 plug
Bolivia	50-16000-220R: 1.8M long, CEE 7/7 plug
Brazil	50-16000-727R: 18AWG, 250V, 16A, BR (3w)
China	50-16000-217R: 1.9M long, AS 3112 plug 50-16000-257R: 1.8M long, IEC 60320 C13 plug
Dubai	50-16000-220R: 1.8M long, CEE 7/7 plug
Egypt	50-16000-220R: 1.8M long, CEE 7/7 plug
Europe	50-16000-220R: 1.8M long, CEE 7/7 plug
Hong Kong	50-16000-219R: 1.8M long, BS1363 plug
India	50-16000-669R: 1.9M long, BS 546 plug
Iran	50-16000-220R: 1.8M long, CEE 7/7 plug
Iraq	50-16000-219R: 1.8M long, BS1363 plug

Country	Three Wire AC Line Cord
Israel	50-16000-672R: 1.9M long, S132 plug
Italy	50-16000-671R: 1.8M long, CIE 23-16 plug
Japan	50-16000-218R: 1.8M long, NEMA 1-15P plug
Korea	50-16000-220R: 1.8M long, CEE 7/7 plug 50-16000-256R: 1.8M long, CEE7/7 plug
Malaysia	50-16000-219R: 1.8M long, BS1363 plug
New Guinea	50-16000-217R: 1.9M long, AS 3112 plug
Russia	50-16000-220R: 1.8M long, CEE 7/7 plug
Singapore	50-16000-219R: 1.8M long, BS1363 plug
UK	50-16000-219R: 1.8M long, BS1363 plug
US	23844-00-00R: 7.5 feet long 50-16000-221R: 1.8M long, USA NEMA 5-15P
Vietnam	50-16000-220R: 1.8M long, CEE 7/7 plug



THANK YOU