








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	One 128GB micro SD 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	Scan on each side, Volume Up/Down, Power, push-to-talk (PTT) Key
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
Operating Channels	2.4 GHz (channels 1-13; 1-11(US)) 5GHz (channels 36-48, 52-64, 100-144, 149-165) 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	
 DataWedge	 Lifeguard™ for Android™
 EMM Tool Kit	 Mobility Extensions (Mx)
 Enterprise Home Screen	 StageNow
 Smart Dex	
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.