TC75 Series Rugged Touch Computer

YOUR FRONT LINE TO A SMARTER ENTERPRISE

Your field workforce needs a mobile computer to access the people and information required to maximize efficiency and better serve your customers. You want to give them an enterprise-class handheld built for life out in the field — yet your workers expect a device that is every bit as refined and easy-to-use as their own consumer smartphone. The TC75 Series is the Android™ enterprise touch computer that delivers it all. A choice of Android OS, fortified for use in the enterprise. A rugged design that delivers reliable everyday operation. Anywhere anytime access to virtually any information in your back-end systems. The ability to capture more types of data faster than ever before. Instant push-to-talk communications with co-workers out in the field as well as supervisors, dispatch and more back in the office. 4G LTE support for a robust wireless connection on the world's fastest cellular networks. And a full complement of accessories meets the unique needs of virtually any mobile worker. The TC75 Series — the easy way to empower your field teams with a true mobile office.

TC75

TC75x

Mx — Making Android a More Robust Enterprise OS

Every TC75 Series ships with Mobility Extensions (Mx), a series of features that make Android a more robust enterprise-class operating system. Mx minimizes IT support time and maximizes worker productivity and device uptime by providing better control of your mobile devices, application access and Wi-Fi performance and security. Standard Configuration TC75 and TC75x devices come with Google Mobile Services (GMS) which provides integrated Google applications such as Gmail and Google Maps. Professional Configuration TC75 and TC75x devices ship without GMS, removing GMS applications and services. Both configurations are based on Android Open Source (AOSP) and ship with respective Android Enterprise functionality.

World-class Data Capture

An integrated enterprise-class imager offers Zebra's proprietary PRZM Intelligent Imaging technology, a megapixel sensor and advanced optics, enabling the lightning-fast capture of 1D and 2D barcodes in virtually any condition. The rear-facing color camera enables the easy capture of high-resolution photos, signatures, videos and more, so workers can capture more types of business intelligence to streamline more business processes.

The front camera allows workers to place a video call to get the on-the-spot assistance they need. And Near Field Communications automates identity verification at facility entry points.

Maximum Data Entry Flexibility with an Industry Leading Dual Mode Touch Panel

Let your users choose their preferred data input pair: finger and gloved finger or finger and stylus — ideal for crisp signature capture. The intelligent 4.7 in. display automatically adjusts as needed, unlike competitive devices that require setting adjustments every time the user switches data input method.

Automatically Capture Data and Process Entire Documents

With SimulScan Document Capture, your workers can simultaneously capture barcodes, text fields, phone numbers, images, signatures and even check boxes in the time it takes to press a button, improving invoicing speed, order speed and more.

Superior Audio Quality and Functionality for a New Level of Voice Flexibility

Up to four times the loudness of popular smartphones and noise cancelling technology provides crystal clear audio on both ends of every call. Support for Workforce Connect Push-to-Talk (PTT) Express and Pro provides an instant connection to co-workers in the field, plus supervisors and other support staff back in the office.

Mobility DNA

Every strand of your mobility platform is simpler with Zebra's Mobility DNA. That's because, from the start, you have the industry's most comprehensive suite of mobility must-haves to accelerate your solution. More off-the shelf end-user apps, more robust administration utilities and easier app development. Purpose built for the enterprise, Mobility DNA makes ease, confidence and value intrinsic to your investment and our full line of Android mobile computers.

PowerPrecision+ Battery for Best-In-ClassPower and Manageability[1]

Your workers depend on their mobile devices nearly every minute of the workday. This user replaceable battery ensures that workers have plenty of power for the longest shift and devices are always available. A wealth of easily accessible battery metrics make it easier than ever to identify, remove and replace aging batteries. And with Warm Swap mode, it lets users change the battery without having to power down the device or close open apps

A Robust Accessory Family for Easy On-the-Go Device Management

Accessories include a flexible vehicle cradle for charging — even with snap-on accessories attached. A magnetic stripe reader enables mobile payment. The field attachable trigger handle brings comfort to scan intensive tasks. Select Zebra Bluetooth printers enable anywhere anytime printing. And backroom management is easier and more cost effective than ever thanks to our unique ShareCradle System that accommodates the TC75 Series and future Zebra devices.

Rugged and Ready for All-day Every Day Use Out in the Field

The TC75 Series delivers reliable operation, even after multiple 8 ft./2.4 m drops to concrete and 2,000 consecutive 3.2 ft./1 m tumbles in our punishing tumble test. With IP65 and IP67 sealing, the TC75 Series is dust-tight and can survive complete immersion in water. And the Corning Gorilla Glass touch panel and scanner exit window bring a new level of durability to two of the most vulnerable components on any handheld device.

THE TC75 SERIES — THE RIGHT DEVICE MAKES ALL THE DIFFERENCE.

For more information, visit **www.zebra.com/tc75series** or access our global contact directory at **www.zebra.com/contact**

Boost efficiency and customer service with the TC75 Series in:

T&L
- Proof of delivery
- Asset management
- Asset tracking
- Scheduling
- Routing
- Location services

Field Service
- Asset management
- Parts inventory
- Invoicing
- Task management
- Location based services
- Technical assistance
- Appointment scheduling
- Service automation

Direct Store Distribution (DSD)/ Route Accounting
- Order automation
- Delivery tracking
- Inventory management
- Store setup
- Customer support

Government and Public Safety
- Alternate to two-way radio
- Data collection
- Records query
- Real time data and voice
- ID validation/ ticketing
- Location services
- Resource deployment
- Document on the scene video and photos

TC75 Series Specifications

PHYSICAL CHARACTERISTICS

Dimensions	6.3 in. L x 3.3 in. W x 1.1 in. D/ 161 mm L x 84 mm W x 28 mm DD
Weight	13.3 oz./376 g
Display	4.7 in. High Definition (1280 x 720); exceptionally bright, outdoor viewable; optically bonded to touch panel
Imager Window	Corning Gorilla Glass
Touchpanel	Dual mode capacitive touch with stylus or bare or gloved fingertip input (conductive stylus sold separately); Corning Gorilla Glass
Backlight	LED backlight
Power	PowerPrecision/ PowerPrecision+': Improved battery technology for advanced state of health and real-time visibility into battery metrics for better battery management Li-Ion 3.7 V, 4620 mAh typical; battery swap function
Expansion Slot	TC75: User accessible MicroSD up to 32GB SDHC and up to 64 GB SDXC TC75x: User accessible MicroSD up to 32GB SDHC and up to 128 GB SDXC
SIM	TC75: 2 Nano SIM slot (4FF); 1 Mini SIM/SAM slot (2FF) TC75x: 2 Nano SIM slot (4FF); 1 Mini SIM (2FF)
Network Connections	USB 2.0 High Speed (host and client); WLAN
Notification	Audible tone; multi-color LEDs; vibration
Keypad	On-screen keypad; Enterprise Keyboard
Voice and Audio	Three microphone support with noise cancellation; vibrate alert; speaker; Bluetooth wireless headset support, High quality speaker phone; PTT headset support; Cellular circuit switch voice; HD Voice

PERFORMANCE CHARACTERISTICS

CPU	TC75: 1.7 GHz dual core processor TC75x: 1.8 GHz hex core 64 bit processor
Operating System	TC75: Android 5.1 Lollipop with Zebra's Mobility Extensions (Mx) TC75x: Android 7.1 (Nougat) with Mx
Memory	TC75: 1 GB RAM / 8 GB Flash pSLC TC75x: 2 GB RAM / 16 GB Flash pSLC or 4 GB RAM / 32 GB Flash pSLC

USER ENVIRONMENT

Operating Temp.	-4° F to 122° F/-20° C to 50°C
Storage Temp.	-40° F to 158° F/-40° C to 70° C
Humidity	5% to 85% non-condensing
Drop Specification	Multiple 8 ft./2.4 m drop to concrete at room temperature per MIL-STD 810G, Multiple 6 ft./1.8 m drop to concrete across full operating temperature range
Tumble Specification	2,000 3.2 ft./1.0 m tumbles; meets and exceeds IEC tumble specifications

USER ENVIRONMENT (CONTINUED)

Sealing	IP65 and IP67 per applicable IEC sealing specifications
Vibration	4 g's PK Sine (5 Hz to 2 kHz); 0.04g2/Hz Random (20 Hz to 2 kHz); 60 minute duration per axis, 3 axis
Thermal Shock	-40° F to 158° F/-40° C to 70° C rapid transition
Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

INTERACTIVE SENSOR TECHNOLOGY (IST)

Light Sensor	Automatically adjusts display backlight brightness
Motion Sensor	eCompass, 3-axis Gyro, 3-axis accelerometer

DATA CAPTURE

Scanning	SE4750 imager (1D and 2D); extraordinary range: Scan range – Code 39 barcode: 20 Mil: 1.6 in to 36.3 in/4.1 cm to 92.2cm 3 Mil: 2.8 in to 6.2 in/7.1 cm to 15.9 cm
Camera	Rear – 8 MP autofocus; f/2.4 aperture (TC75) Rear – 13MP autofocus (TC75x) Front – 1.3 MP fixed focus (TC75/TC75x)
NFC	TC75: Type A and B, Felica and ISO 15693 cards. P2P mode and Card Emulation via UICC and Host TC75X: ISO 14443 Type A and B; Felica, and ISO 15693 cards. P2P mode and Card Emulation via UICC and Host

WIRELESS WAN DATA AND VOICE COMMUNICATIONS

Radio Frequency Band	**TC75** *Worldwide:* LTE: 800/850/900/1800/2100/2600 (FDD 20,5,8,3,1,7); UMTS/HSPA/HSPA+: 850/900/1900/2100; GSM/GPRS/EDGE: 850/900/1800/1900 *Americas:* LTE: 700/850/1900/AWS/2100 (FDD 17,5,2,4,1); UMTS/HSPA/HSPA+: 850, 900, AWS, 1900, 2100; GSM/GPRS/EDGE: 850/900/1800/1900 **TC75x** *Worldwide:* LTE: 700,800/850/900/1800/2100/2600 (FDD 28,20,5,8,3,1,7); UMTS/HSPA/HSPA+: 850/900/1900/2100; GSM/GPRS/EDGE: 850/900/1800/1900 *Americas:* LTE: 700/850/1900/AWS/2100, (FDD 13,12,17,5,26,2,25,4,1); UMTS/HSPA/HSPA+: 850, 900, AWS, 1900, 2100 GSM/GPRS/EDGE: 850/900/1800/1900; CDMA: 850,1900 (BC0, BC10, BC1)
GPS	TC75: Integrated, Autonomous, Assisted GPS (A-GPS), Navstar, GLONASS TC75x: Integrated, Autonomous, Assisted GPS (A-GPS), Navstar, GLONASS, Beidou

TC75 Series Specifications (continued)

WIRELESS LAN

Radio	TC75: IEEE® 802.11a/b/g/n/d/h/i/k/r TC75x: 2x2 MIMO; IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/w
Data Rates	**TC75** 5GHz: 802.11a/n — up to 150 Mbps; 2.4GHz: 802.11b/g/n — up to 72.2 Mbps **TC75x** 5GHz: 802.11a/n/ac — up to 866.7 Mbps; 2.4GHz: 802.11b/g/n — up to 144 Mbps
Operating Channels	**TC75** Chan 1 - 13 (2412 - 2472 MHz); Chan 36 - 165 (5180 - 5825 MHz) Channel Bandwidth: 20, 40 MHz **TC75x** Chan 1 - 13 (2412 - 2472 MHz), Chan 36 - 165 (5180 - 5825 MHz), Chan 138, Chan 142 Channel Bandwidth: 20, 40, 80 MHz Actual operating channels/ frequencies depend on regulatory rules and certification agency
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA/WPA2 Enterprise (TKIP and AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, EAP Fast[2] and LEAP Data in Motion: FIPS 140-2 Level 1 Data at Rest: FIPS 140-2 Level 1
Features	TC75: Wi-Fi Multimedia™ (WMM), Soft AP, Wi-Fi Direct, Miracast TC75x: Wi-Fi Multimedia (WMM), Soft AP, MIMO with 2 Spatial Streams, 256 QAM Modulation on 5G GHz radio; Maximum Ratio Combining (MRC), Tx/Rx Low-Density Parity Check (LDPC), Transmit Beamforming(TxBF) and Beamformee (BFee) capability, Full IEEE 802.11 a/b/g/n legacy compatibility
Certifications	TC75: WFA (802.11n, WMM-PS, Wi-Fi Direct, WPS, Miracast) TC75x: WFA (802.11n, 802.11ac, Mobile AP, Personal Hotspot, Miracast, WMM-PS, WMM-AC and Voice Enterprise)
Fast Roam	PMKID caching, Cisco CCKM, 802.11r, OKC

WIRELESS PAN

Bluetooth	Class 2, Bluetooth v4.0 (Bluetooth® Smart technology) BT Wideband support HFPv1.6 Bluetooth v4.1 LE (TC75x only)

COMMUNICATION AND MESSAGING

Workforce Connect PTT Express (included) provides instant push-to-talk (PTT) small group communications across Wi-Fi networks. Workforce Connect PTT Pro (supported) provides a scalable network agnostic push-to-talk solution which also includes messaging, location services and two-way radio integration. Workforce Connect Voice client (supported) enables the TC75 Series to function as a full featured mobile telephone with multi-line capability across Wi-Fi networks.

ADDITIONAL MOBILITY DNA 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

- Enterprise Keyboard
- Stage Now
- EMDK
- SimulScan
- Enterprise Home Screen
- AppGallery
- Enterprise Browser

Available Mobility DNA features may vary by model.

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the TC75 Series 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: http://www.zebra.com/warranty

RECOMMENDED SERVICES

Zebra OneCare; Managed Device Service

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1. PowerPrecision+ batteries are available only on TC75x models and provide advanced state of health and advanced state of charge metrics.

2. EAP Fast supported on TC75 models only.

Specifications subject to change without notice and some features may vary by model.

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