



BUSINESS WITH A PERSONAL TOUCH

# TC55 TOUCH COMPUTER

To get the job done, your workers need access to business-critical applications out in the field. They want a business device that is every bit as small, sleek and as easy to use as their own personal smartphones. But today's smartphones fall far short of the feature set you need in your business. Introducing the TC55 — the pocket-sized all touch computer that has it all. Smartphone ergonomics and good looks. Business durability. And all the business functionality your workers need to work smarter — and better serve your customers. The TC55. Built for the enterprise, designed for your workers.



### Extensions (Mx) by Motorola Solutions — fortified Android Jellybean for the enterprise

New features that transform Android from a consumer operating system (OS) to a true enterprise-class OS, including security, device management and support for enterprise data capture capabilities.

### Industry leading dual mode touch panel with maximum input flexibility

Choose your preferred data input mode: a finger — with or without a thick glove — or a stylus for signature capture. Take the capacitive touch experience to the next level with our 4.3 in. WVGA display, which works even if it's wet.

### Enterprise class data capture features improve productivity

Best-in-class comprehensive data capabilities help automate and reduce cycle times. With the integrated 1D bar code scanner, optional 1D/2D ring-style Bluetooth scanner, 8 MP camera and Near Field Communications (NFC), workers can capture virtually any type of data at the press of a button — 1D/2D bar codes in practically any condition, documents, photos, signatures, videos and NFC-based information.

### The best audio support in its class

Dual front-facing speakers deliver four times the loudness of popular smartphones, while two microphones and noise cancelling technology ensure crystal clear audio on both ends of a call.

### Business tough — built for all-day every day enterprise use

The TC55 is loaded with features that give it long-lasting durability. Drop and tumble specifications, IP67 sealing and a Corning Gorilla Glass 2 display ensure reliable operation despite drops and spills — and make it easy to achieve an average three-year lifespan.

### The fastest wireless connections — cellular, Wi-Fi and Bluetooth

No matter what wireless connections your workers need, they can count on the fastest speeds possible, with 4G cellular to 802.11a/b/g/n and Bluetooth 4.0.

### Easy to see in any lighting condition

Your workers are outside as much as they are inside. With 700 NITS and a transfective display, the screen is easy to read, even in bright sunlight.

### The longest battery life in its class

A removable battery that outperforms competitive devices combines with a super low power display that utilizes half the power of the standard LCD display to provide your workers with plenty of power for a full shift.

### The most flexible accessory family in its class

All accessories are designed with the business user in mind. A boot increases durability — and all charging solutions work with and without the boot. The rugged charging cable that comes with every TC55 provides high impact charging contacts that offer superior durability over typical microUSB connectors.

### Business class service comes with every TC55

Two years of Service from the Start comes with every device, providing coverage for normal wear and tear and a guaranteed 3-day turnaround on repairs.

### Future proof applications with RhoMobile Suite

The TC55 supports the option to run applications built with RhoMobile Suite developer tools. Write, integrate and deploy apps across platforms — iOS, Android, Windows Mobile and operating systems of the future — it's always what's next.

## THE TC55 — THE PERSONAL TOUCH COMPUTER BUILT FOR BUSINESS

For more information, visit [www.motorolasolutions.com/tc55](http://www.motorolasolutions.com/tc55) or access our global contact directory at [www.motorolasolutions.com/contactus](http://www.motorolasolutions.com/contactus)

# SPECIFICATIONS CHART

## PHYSICAL CHARACTERISTICS

|                                    |  |
|------------------------------------|--|
| Dimensions (with standard battery) | 5.4 in. L x 2.7 in. W x 0.63 in. D<br>137 mm L x 69 mm W x 15.9 mm D   |
| Weight                             | With standard battery: 7.8 oz./220 g   |
| Display                            | Blanview® LCD display, 4.3 in. WVGA, exceptional low power consumption, exceptionally bright image with 700 NITS, 3% transfective, Corning Gorilla Glass 2 |
| Camera/Imager Exit Windows         | Corning Gorilla Glass 2  |
| Touchpanel                         | Dual mode capacitive touch with stylus or fingertip (bare or gloved) input   |
| Backlight                          | LED backlight  |
| Battery                            | Replaceable and rechargeable Lithium Ion: Standard: 2940 mAh; Extended 1.5x: 4410 mAh  |
| Expansion Slot                     | User accessible 32 GB microSD slot with SDHC support   |
| Network Connections                | USB 2.0 High Speed (host and client), WLAN, WWAN and Bluetooth   |
| Notification                       | Vibrate and audible tone   |
| Keypad                             | On-screen keypad   |
| Voice and Audio                    | 2 front facing speakers; dual noise-cancelling microphones; high-quality speaker phone; 3.5mm headset jack , Bluetooth wireless headset support            |

## PERFORMANCE CHARACTERISTICS

|                  |                             |
|------------------|-----------------------------|
| CPU              | 1.5 GHz dual core processor |
| Operating System | Android 4.1.2               |
| Memory           | 1 GB RAM / 8 GB Flash       |

## 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 85% non-condensing   |
| Drop Specification   | 4 ft./1.2 m drop to plywood per MIL-STD 810G; With protective boot: 4 ft./1.2 m to concrete across the operating temperature range           |
| Tumble Specification | 150 1.5 ft./0.5 m tumbles (300 drops); With protective boot: 300 1.5 ft./0.5 m tumbles (600 drops); per applicable IEC tumble specifications |
| Sealing              | IP67 per applicable IEC sealing specifications   |
| Vibration            | MIL-STD 810G, 2Gs peak, 5Hz to 2kHz, 1 hour per axis; .04g <sup>2</sup> /Hz, 20Hz to 2kHz, 1 hour per axis                                   |
| Thermal Shock        | -40°F to 158°F/-40°C to 70°C rapid transition  |

## MOTOROLA INTERACTIVE SENSOR TECHNOLOGY (IST)

|                      |   |
|----------------------|---|
| Ambient Light Sensor | Automatically adjusts display backlight to maximize power efficiency  |
| 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

|                   |   |
|-------------------|---|
| Camera            | Autofocus 8 MP with user-controllable flash; supports integrated 1D/2D bar code capture |
| Bar Code Scanning | Integrated 1D* linear imager; optional RS507 Bluetooth ring-style imager                |
| NFC               | Peer-to-peer, card reader, card emulation   |

\* Please refer to the TC55 User Guide or Integrator Guide for full data capture specifications.

## WIRELESS WAN DATA AND VOICE COMMUNICATIONS

|                |  |
|----------------|--|
| Radio          | 4G LTE, HSPA+, EDGE/GPRS/GSM   |
| Frequency Band | EDGE/GPRS/GSM: 850/900/1800/1900 MHz<br>HSPA+ Americas: 850/1900/1700-2100 + 900/2100 MHz<br>HSPA+ Rest of the World: 900/2100 + 850/1900 MHz<br>LTE Americas: FDD2, FDD4, FDD5, FDD17 |
| GPS            | Integrated, Autonomous, Assisted-GPS (A-GPS), GLONASS  |

## WIRELESS LAN DATA AND VOICE COMMUNICATIONS

|                      |  |
|----------------------|--|
| Radio                | Tri-mode IEEE® 802.11a/b/g/n   |
| Data Rates Supported | 802.11a - up to 150 Mbps; 802.11b/g - up to 72.2 Mbps; 802.11n @ 2.4 GHz up to 72 Mbps; 802.11n @ 5 GHz up to 150 Mbps                               |
| Security             | WEP (40 or 104 bit) ; WPA/WPA2 Personal; WPA/WPA2 Enterprise — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, TKIP, AES |

## WIRELESS PAN DATA AND VOICE COMMUNICATIONS

|           |               |
|-----------|---------------|
| Bluetooth | Bluetooth 4.0 |
|-----------|---------------|

## PERIPHERALS AND ACCESSORIES

Individual rugged charging cable (included with every TC55); vehicle cradle; 5-slot charge-only cradle; protective boot; holster; stylus with tether and more. Visit [www.motorolasolutions.com/tc55](http://www.motorolasolutions.com/tc55) for a complete list of accessories.

## REGULATORY

Visit [www.motorolasolutions.com/tc55](http://www.motorolasolutions.com/tc55) for regulatory information

## WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the TC55 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.motorolasolutions.com/warranty>

## SERVICES

All models include Service from the Start.\*\* Two additional service program upgrades are also available:  
*Service from the Start with Comprehensive Coverage:* A unique service that covers normal wear and tear as well as accidental damage to internal and external components.  
*Service from the Advance Exchange Support:* Includes all the entitlements of Service from the Start with Comprehensive Coverage, plus next-business-day replacement of a device that requires repair, complete with provisioning — arrives ready to use, right out of the box, with your applications and settings.

\* Ambient light tolerance: LED lighting with high AC ripple content can impact scanning performance.

\*\* Service availability may vary by country.



## BOOST EFFICIENCY AND CUSTOMER SERVICE WITH THE TC55 IN:

### Field sales

- Sales and pre-sales teams
  - CRM
  - Sales/order tracking
  - Order taking
  - Appointment scheduling
  - Location-based services

### Field service

- Technicians
  - Service automation
  - Inventory management
  - Parts inventory management
  - Invoicing/signature capture
  - Task management
  - Order tracking
  - Location based services
  - Appointment scheduling

### Small/medium businesses

- Employee communications
- Work flow management
- Time tracking
- Inventory management
- Order management
- Proof of service
- Payment processing