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TC55

EMC Configuration and Accessories Guide

Designed to assist customers and partners with model and configuration guidance

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TC55 Series

CONFIGURATION & ACCESSORY GUIDES are available on [The Source](#) and [PartnerCentral](#)

For access to additional product information including this guide, please visit:
[www.zebra.com/tc55](#)

Find Product Information in the **EMC Product Portfolio** on [The Source](#) and [PartnerCentral](#)

Partner Central

ENTERPRISE MOBILE COMPUTING

EMC PRODUCT PORTFOLIO

- EMC Resources
- Zebra Solutions At A Glance
- Enterprise Mobile Computing
  - Knowledge Worker Portfolio
  - Line Worker Portfolio
  - EMC Software & Solutions
- Topical Content
  - MSI OS Strategy
  - The Value of Enterprise Class Products

CUSTOMER FACING

FIELD MOBILITY

TASK SPECIFIC

INDUSTRIAL MOBILITY

TC55 Configuration Matrix

CONFIGURATION MATRIX:	TC55XX	OPTIONS	DESCRIPTION
WAN Options	TC55**A**x-xxxxxx	A	LTE, HSPA+ for the Americas
	TC55**B**x-xxxxxx	B	HSPA+ for EMEA/APAC
	TC55**C**x-xxxxxx	C	Verizon (4G Data Only and 3G Voice & Data) ***Note: This SKU does not have 2D imager & Android Kit Kat option***
Radio Options	TC55x**H**-xxxxxx	H	802.11abgn + NFC
Operating System Options	TC55xx-**J**xxxxx	J	Android Jelly Bean without GMS
	TC55xx-**G**xxxxx	G	Android Jelly Bean with GMS
For LTE, HSPA+ for the Americas SKUs only	TC55**A**x-**K**xxxxx	K	Android Kit Kat without GMS
	TC55**A**x-**H**xxxxx	H	Android Kit Kat with GMS
For HSPA+ for EA/APME SKUs only	TC55**B**x-**K**xxxxx	K	Android Kit Kat without GMS
	TC55**B**x-**H**xxxxx	H	Android Kit Kat with GMS
Imager/Scanner Options	TC55**A**x-x**0**xxxx	0	No scanner/imager
	TC55**A**x-x**C**xxxx	C	1D SE655 Linear Imager
For LTE, HSPA+ for the Americas SKUs only	TC55**A**x-x**J**xxxx	J	2D SE4710 imager
For HSPA+ for EA/APME SKUs only	TC55**B**x-x**0**xxxx	0	No scanner/imager
	TC55**B**x-x**C**xxxx	C	1D SE655 Linear Imager
	TC55**B**x-x**J**xxxx	J	2D SE4710 imager
For Verizon (4G Data Only and 3G Voice & Data)	TC55**C**x-x**0**xxxx	0	No scanner/imager
	TC55**C**x-x**C**xxxx	C	1D SE655 Linear Imager
Hardware Options	TC55xx-xx**1**xxx	1	1D Chassis, 4.3" display
Memory Options	TC55xx-xxx**1**xx	1	1 GB RAM/8 GB FLASH
Operating System Localization Options	TC55xx-xxxx**X**x	E, F, I, G, S, M, C, P, H, J, W, R, K	**E** = English, **F** = French, **I** = Italian, **G** = German , **S** = Spanish **M** = Chinese Simplified , **C** = Chinese Traditional , **P** = Brazilian Portuguese, **H** = Hebrew, **J** = Japanese, **W** = Swedish, **R** = Russian, **K**= Korean
Battery Options	TC55xx-xxxxx**S**	S	1X Standard Capacity battery
	TC55xx-xxxxx**E**	E	1.5X Extended Capacity battery
Suffix/custom Products	TC55xx-xxxxxx	Blank	None
	TC55xx-xxxxxx-**X**	H, G, 01, AT, VD, NS, BL, CN, 3G, TW, ET	**H** = Healthcare, **G** = Govt. Compliance, **01** = Custom product, **AT** = AT&T, **VD** = Vodafone, **NS** = No Service From the Start, **BL** = Brazil (unique battery label), **CN** = China label, **3G** = 3G Voice and Data, **TW** =Taiwan FCC compliance + NS, ET=ETSI compliance

Imager and OS Availability	Operating System			Imagers/Scanners	
	JB	GMS Option	KK (Rev B)	1D	2D (Rev B)
• LTE, HSPA+ for the Americas; HSPA+ for EMEA/APAC	●	●	●	●	●
• Verizon (4G Data Only and 3G Voice & Data)	●	●		●	

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TC55 SPECIFICATIONS

System:
- 1.5 GHz Dual Core Processor
- 1GB RAM / 8GB Flash
- Accessible micro SD (up to 32 GB supported)
- Android Enterprise Jelly Bean, Kit Kat

Connectivity:
- HSPA+ (ROW) , LTE (Americas), Verizon 4G data only and 3G voice and data
- WLAN: 802.11 a/b/g/n
- WPAN: BT 4.0 (hi speed BT & BT low energy)
- Micro USB 2.0 Client (Host / Client)
- Integrated GPS and GLONASS
- Wireless mobile hot spot support

Data Capture:
- 1D and 2D Imager option
- Rear facing 8MP autofocus camera optimized for 1D and 2D data capture
- NFC

Power:
- 2,940 mAh battery with gas gauging (user replaceable)
- 4,410 mAh 1.5X battery option
- Charging via bottom contacts and micro USB

Ergonomics & UI:
- PTT optimal, dual front facing speakers
- 4.3" Color WVGA display, outdoor viewable
- Capacitive touch panel supports operation when wet, with gloves, and supports fine pitch signature capture
- Gorilla Glass 2™ touch panel
- 4 capacitive front panel keys (one programmable)
- 1 programmable side key (PTT, Scan, etc.)

Durability:
- 4ft drop MIL STD 810G
- 150 ½ meter tumbles"
- IP67 sealing
- -10 – 50 C Op temp
- Gorilla Glass™ touch panel, camera, and imager exit windows
  Protective boot increases durability drop to concrete across operating temperature and increases tumble to 300 ½ meter tumbles

Audio:
- Handset audio
- Dual noise canceling mics
- Dual front facing speakers
- 3.5mm headset jack
- Vibrate alert

Accessory Eco-system:
- Rugged charging cable provided with device to interface with bottom charge contacts
- 5 slot charge cradles
- Vehicle charge cradle
- Protective boot that increases durability
- Soft shell, leather holster
- Fine point, conductive stylus
- NOTE: all accessories will integrate and work with the 1X and 1.5X batteries and they will integrate and work with the protective case and without a protective case in place

Enterprise Software
- Rapid Deployment Utility
- Mobile WFM Manager compatible
- Rho Suite
- Mobility Extensions (Mx)

What comes in the Box?
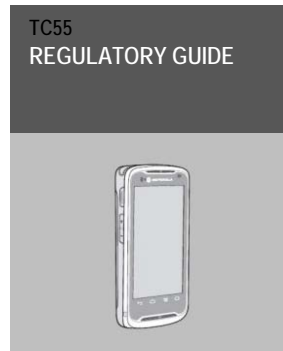
TC55 Device
(Electronic User Guide loaded onto device)

TC55 Rugged Charge Cable

TC55 Regulatory Guide

TC55 Battery

TC55
REGULATORY GUIDE

Note: Power Supply Sold Separately

TC55

Accessories Guide

Step 1: Batteries and Battery Doors

TC55 Battery and Battery Doors

User replaceable Lithium Ion battery with:
- Fuel gauging
- Manufacturing date
- Cycle count

Lithium Ion	1X	1.5X
P/N:	BTRY-TC55-29MA1-01	BTRY-TC55-44MA1-01
For Brazil Order:	BTRY-TC55-29BR1-01	BTRY-TC55-44BR1-01
Battery Door SKU	KT-TC55-29BTYD1-01	KT-TC55-44BTYD1-01
mAh	2940	4410
TC55Dimensions:	137.2 X 69 X1 5.9 mm	137.2 X 69 X 22.8 mm
TC55 Weight:	220 grams	250 grams
Talk Time:	16 Hours	24 Hours

If choosing a different battery capacity than current, will require the purchase of corresponding battery door.

Test Profile: WAN on 100% ; GPS on 100%; BT off, WIFI on (not associated to AP: worst case); 350 scans/hour; Send 500k bytes every 2 hours (ATT 4G); Backlight 50%; Display on 75%, off 25%;—> Standard Battery: 13 hours; —> Extended Battery 18.5 hours

Step 2: Charging and Cable Accessories

TC55 Charging Cable Cup

| Rugged Charging Cable Cup | **CBL-TC55-CHG1-0** |

Charging Cable Cup for TC55

The TC55 Charging Cable cup works with or without the protective boot to provide a single unit charging solution.

❗ *Requires Power Supply Wall Adapter; (PWRS-124306-01R) sold separately.*

USB Cable

| USB Cable | **25-MCXUSB-01R** | |

TC55 Power Supply

| Power Supply | **PWRS-124306-01R** |

Power Supply-100-240 VAC, 5 V, 1.2 A Power Supply: 100-240 VAC, 5V, 1.2A w/plugs Includes four international plugs for US, UK, EU & AU. Provides a full 1.2 amps of power for rapid battery charging. Works with TC55 Rugged Charging Cable

- For Brazil Order: **PWRS-124306-01BR**: PS90-264 VAC, 5V,1.2A w/ Brazil & U.S. plug
- For China Order: **PWRS-124306-01CN**: PS: 90-264VAC, 5V,1.2A w/China plug
- For South Korea Order: **PWRS-124306-01S**: PS 90-264VAC, 5V,1.2A w/S. Korean plug

Step 3: Cradle and Cradle Accessories

TC55 5-Slot Cradle

5 Slot Charging Cradle   **CRDUNIV-55-5000R**

- Can Support 1X or 1.5X Batteries
- Can Charge Terminal with or without Protective Boot
- Desktop ready and rack mountable
- Mounting Bracket Kit sold separately (KT-UNIVLBRKT-01R)

Power Supply

Power Supply   **PWR-14000-148C**

100-240 VAC,12VDC,4.16A
Order country specific three wire grounded AC Line Cord (sold separately)

Cradle Mounting Bracket

Bracket   **PWR-14000-148C**

Designed to allow for the TC55 5-Slot Cradle to be wall or rack mounted.
Lower shelf is designed to hold the PWRS-14000-148C Power Supplies.

5-Slot Cradle Base

5-Slot Cradle Base Only   **CRDUNIV-XX-5000R**

5 Slot Charge Only Cradle;
Base only.
Can accommodate up to 5 Cups.

Cradle Cup

TC55 Cradle Cup   **CUPTC55XX-1000R**

TC55 Single charging cup for use with Charging Cradle Base **CRDUNIV-XX-5000R** (Sold Separately)

TC55 5 Slot Cradles require power supply (PWRS-14000-148C) & country specific AC line cord sold separately. *(See AC Line Cord Country List on last page)*

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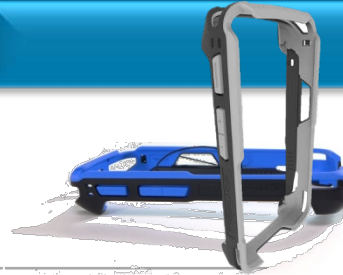## Step 4: Soft Goods

TC55 Holster

TC55 Holster	**SG-TC55-HLSTR1-0**

- Magnetic Flap allows for quick closure
- Stylus can be stored in upper flap
- Rugged Belt Clip
- Holster accommodates:
  - 1X or 1.5X battery
  - Optional Protective Boot
  - Stylus in upper flap

TC55 Boot

Blue & Black Boot	**SG-TC55-BOOT1-01**
Grey & Black Boot	**SG-TC55-BOOT2-01**

- Provides additional protection
- Access to Battery, SIM, & micro SD
- Stylus (sold separately) can be snapped into side of Boot
- Can be used with all other accessories including:
  - 1X & 1.5X Batteries
  - Charging Accessories
  - Vehicle Cradle
  - Holster

TC55 Screen Protectors

3-Pk	**KT-TC55-SCRNP1-03**
100-PK	**KT-TC55-SCRNP1-100**

TC55 Stylus

Stylus w/ Tether (QTY-1)	**SG-TC55-BOOT1-01**
Stylus w/ Tether (3-pk)	**SG-TC55-BOOT2-01**
Can be snapped into Boot or stored in upper flap of Holster	

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Step 5: Auto Accessories

TC55 Vehicle Cradle

TC55 Vehicle Cradle   **CRD-TC55-VCD1-01**

- Vehicle Cradle w/ suction cup installation kit
- Accommodates Device with or without the Protective Boot
- Vehicle cradle enables charging through the rugged connector on the bottom of the TC55 by passing power through the micro USB connecter located at the rear of the cradle

❗ *An Auto Charge Cable is required and sold separately*

TC55 Auto Charge Cable

Auto Charge Cable   **VCA400-01R**

- 12/24V Micro USB Auto Charger (Cigarette light adapter)
- Designed to withstand the demanding requirements of commercial use where up-time is prime consideration.
   - Input: 12-24VDC 1.3A
   - Output: 5.0V—- 1.2A

❗ *NOTE: The VCA400-01R auto charge cable is designed to connect directly to the micros USB port on the TC55 vehicle cradle.*
❗ *It should NOT be used to connect directly to TC55*

Step 6: Choose an AC Line cord for PWRS-14000-148C

SKU	DESCRIPTION	
23844-00-00R	7.5 feet long, grounded, three wire. Associated Countries: United States.	
50-16000-217R	A1.9M, grounded, three wire, AS 3112 plug. Associated Country: Australia, China, New Guinea.	
50-16000-218R	1.8M, grounded, three wire, NEMA 1-15P plug. Associated Countries: Japan.	
50-16000-219R	1.8M, three wire, grounded BS1363 plug. Associated Countries: Hong Kong, Iraq, Malaysia, Singapore, United Kingdom.	
50-16000-220R	1.8M, grounded three wire, CEE 7/7plug. Associated Countries: Europe, Abu Dhabi, Bolivia, Dubai, Egypt, Iran, Korea, Russia, Vietnam.	
50-16000-221R	1.8M, grounded, USA NEMA 5-15P. Associated Country: United States.	
50-16000-256R	1.8M, grounded, three-wire, CEE7/7 plug. Associated Country: Korea.	
50-16000-257R	1.8M, grounded, three wire, IEC 60320 C13 plug. Associated Country: China.	
50-16000-669R	1.9 M grounded, three wire, BS 546 Plug. . Associated Country: India.	
50-16000-671R	1.8M grounded, three wire. CIE 23-16 plug. Associated Country: Italy.	
50-16000-672R	1.9M grounded, three wire, S132 Plug. Associated Country: Israel.	
50-16000-678R	36"L grounded, three wire. Associated Country: United States.	

Step 7: IHV Accessories

<u>ATP Industrial Grade Storage Solutions</u>

- **Waterproof:** IEC 60529 Edition 2.1: 2001-02 - IPX7 below 1000mm water, 30min

- **Dust Proof:** IEC 60529 Edition 2.1: 2001-02 - IP6X

- **Extreme Temperature:** Yes

ATP Part Number & Capacity	AF1GUDI-MOT1-1P (1 Pack) AF1GUDI-MOT1-10P (10 Pack)	1GB
	AF2GUDI-MOT1-1P (1 Pack) AF2GUDI-MOT1-10P (10 Pack)	2GB
	AF4GUDI-MOT1-1P (1 Pack) AF4GUDI-MOT1-10P (10 Pack)	4GB
	AF8GUDI-MOT1-1P (1 Pack) AF8GUDI-MOT1-10P (10 Pack)	8GB