



# TC55

## EMC Configuration and Accessories Guide

*Designed to assist customers and partners with model and  
configuration guidance*



## 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](http://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
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**CUSTOMER FACING** 

**FIELD MOBILITY** 

**TASK SPECIFIC** 

**INDUSTRIAL MOBILITY** 



# TC55 Configuration Matrix

CONFIGURATION MATRIX:	TC55XX	OPTIONS	DESCRIPTION
<b>WAN Options</b>	TC55A <sub>x</sub> -xxxxx	A	LTE, HSPA+ for the Americas
	TC55B <sub>x</sub> -xxxxx	B	HSPA+ for EMEA/APAC
	TC55C <sub>x</sub> -xxxxx	C	Verizon (4G Data Only and 3G Voice & Data) <b>Note: This SKU does not have 2D imager &amp; Android Kit Kat option</b>
<b>Radio Options</b>	TC55xH-xxxxx	H	802.11abgn + NFC
<b>Operating System Options</b>	TC55xx-Jxxxx	J	Android Jelly Bean without GMS
	TC55xx-Gxxxx	G	Android Jelly Bean with GMS
	<i>For LTE, HSPA+ for the Americas SKUs only</i> TC55A <sub>x</sub> -Kxxxx	K	Android Kit Kat without GMS
	<i>For HSPA+ for EA/APME SKUs only</i> TC55A <sub>x</sub> -Hxxxx	H	Android Kit Kat with GMS
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B <sub>x</sub> -Kxxxx	K	Android Kit Kat without GMS
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B <sub>x</sub> -Hxxxx	H	Android Kit Kat with GMS
<b>Imager/Scanner Options</b>	TC55A <sub>x</sub> -x0xxxx	0	No scanner/imager
	<i>For LTE, HSPA+ for the Americas SKUs only</i> TC55A <sub>x</sub> -xCxxxx	C	1D SE655 Linear Imager
	<i>For LTE, HSPA+ for the Americas SKUs only</i> TC55A <sub>x</sub> -xJxxxx	J	2D SE4710 imager
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B <sub>x</sub> -x0xxxx	0	No scanner/imager
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B <sub>x</sub> -xCxxxx	C	1D SE655 Linear Imager
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B <sub>x</sub> -xJxxxx	J	2D SE4710 imager
<i>For Verizon (4G Data Only and 3G Voice &amp; Data)</i>	TC55C <sub>x</sub> -x0xxxx	0	No scanner/imager
	TC55C <sub>x</sub> -xCxxxx	C	1D SE655 Linear Imager
<b>Hardware Options</b>	TC55xx-xx1xxx	1	1D Chassis, 4.3" display
<b>Memory Options</b>	TC55xx-xxx1xx	1	1 GB RAM/8 GB FLASH
<b>Operating System Localization Options</b>	TC55xx-xxxxXx	E, F, I, G, S, M, C, P, H, J, W, R, K	<b>E</b> = English, <b>F</b> = French, <b>I</b> = Italian, <b>G</b> = German, <b>S</b> = Spanish <b>M</b> = Chinese Simplified, <b>C</b> = Chinese Traditional, <b>P</b> = Brazilian Portuguese, <b>H</b> = Hebrew, <b>J</b> = Japanese, <b>W</b> = Swedish, <b>R</b> = Russian, <b>K</b> = Korean
<b>Battery Options</b>	TC55xx-xxxxS	S	1X Standard Capacity battery
	TC55xx-xxxxE	E	1.5X Extended Capacity battery
<b>Suffix/custom Products</b>	TC55xx-xxxxx	Blank	None
	TC55xx-xxxxx-X	H, G, 01, AT, VD, NS, BL, CN, 3G, TW, ET	<b>H</b> = Healthcare, <b>G</b> = Govt. Compliance, <b>01</b> = Custom product, <b>AT</b> = AT&T, <b>VD</b> = Vodafone, <b>NS</b> = No Service From the Start, <b>BL</b> = Brazil (unique battery label), <b>CN</b> = China label, <b>3G</b> = 3G Voice and Data, <b>TW</b> = Taiwan FCC compliance + NS, <b>ET</b> =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)	•	•		•	

# 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



Note: Power Supply Sold Separately

### TC55 Regulatory Guide



### TC55 Battery





# 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	<u>1X</u>	<u>1.5X</u>
P/N:	<u>BTRY-TC55-29MA1-01</u>	<u>BTRY-TC55-44MA1-01</u>
For Brazil Order:	<u>BTRY-TC55-29BR1-01</u>	<u>BTRY-TC55-44BR1-01</u>
Battery Door SKU	<u>KT-TC55-29BTYD1-01</u>	<u>KT-TC55-44BTYD1-01</u>
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.*

## 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.

### 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

### USB Cable

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





## 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



**PWR-14000-148C**

Power Supply

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 PWR-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 (PWR-14000-148C) & country specific AC line cord sold separately. (See AC Line Cord Country List on last page)



## 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



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



## Step 7: IHV Accessories

### ATP Industrial Grade Storage Solutions



- 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

<b>ATP Part Number &amp; Capacity</b>	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