



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

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	TC55A _x -xxxxx	A	LTE, HSPA+ for the Americas
	TC55B _x -xxxxx	B	HSPA+ for EMEA/APAC
	TC55C _x -xxxxx	C	Verizon (4G Data Only and 3G Voice & Data) Note: This SKU does not have 2D imager & Android Kit Kat option
Radio Options	TC55xH-xxxxx	H	802.11abgn + NFC
Operating System Options	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 _x -Kxxxx	K	Android Kit Kat without GMS
	<i>For HSPA+ for EA/APME SKUs only</i> TC55A _x -Hxxxx	H	Android Kit Kat with GMS
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B _x -Kxxxx	K	Android Kit Kat without GMS
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B _x -Hxxxx	H	Android Kit Kat with GMS
Imager/Scanner Options	TC55A _x -x0xxxx	0	No scanner/imager
	<i>For LTE, HSPA+ for the Americas SKUs only</i> TC55A _x -xCxxxx	C	1D SE655 Linear Imager
	<i>For LTE, HSPA+ for the Americas SKUs only</i> TC55A _x -xJxxxx	J	2D SE4710 imager
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B _x -x0xxxx	0	No scanner/imager
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B _x -xCxxxx	C	1D SE655 Linear Imager
	<i>For HSPA+ for EA/APME SKUs only</i> TC55B _x -xJxxxx	J	2D SE4710 imager
<i>For Verizon (4G Data Only and 3G Voice & Data)</i>	TC55C _x -x0xxxx	0	No scanner/imager
	TC55C _x -xCxxxx	C	1D SE655 Linear Imager
Hardware Options	TC55xx-xx1xxx	1	1D Chassis, 4.3" display
Memory Options	TC55xx-xxx1xx	1	1 GB RAM/8 GB FLASH
Operating System Localization Options	TC55xx-xxxxXx	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-xxxxS	S	1X Standard Capacity battery
	TC55xx-xxxxE	E	1.5X Extended Capacity battery
Suffix/custom Products	TC55xx-xxxxx	Blank	None
	TC55xx-xxxxx-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)	•	•		•	

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

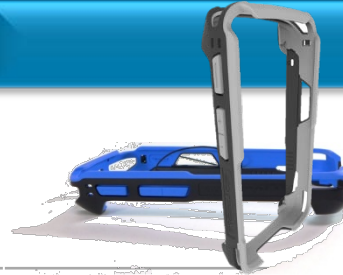
TC55 Holster



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 PWR5-14000-148C

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

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

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