



MC45 MOBILE COMPUTER

ENTERPRISE VALUE WITHOUT COMPROMISE FOR FIELD MOBILITY

Improve customer service and workforce productivity out in the field with the affordable MC45. Your field workforce is your daily touchpoint with your customers. Whether they are repairing equipment, writing up sales or picking up and delivering shipments, how well they are enabled to perform their jobs directly impacts your revenue, customer satisfaction, customer retention and your growth potential. The MC45 is the affordable way to give your workers access to the real-time information needed to get the job done right, right on the spot preventing lost sales and lost customers. The MC45 gives you the right mix of features and enterprise rugged design in a compact device that fits in your budget. Workers get sleek styling and one-handed operation, along with the features, durability, security and manageability your business demands. So whether your workforce needs to access maintenance history for a repair, reserve product for a specific delivery date to close a sale, reconcile shipments, process returns or capture proof of delivery, they'll do it faster and more accurately with the MC45. The result? A field team that is more efficient, able to deliver the kind of service that leads to satisfied, loyal customers.

Class-leading ergonomics

Zebra's award-winning Industrial Design team developed a pocketable device that is easy to hold, while key size, key placement and display size make it easy to see and easy to use.

True field durability

The MC45 is built for life out in the field, able to handle drops, bumps, spills, dust, vibration and the thermal shock that often occurs as workers travel from a climate controlled vehicle to the outdoors.

Advanced 1D scanning technology

BOOST EFFICIENCY AND CUSTOMER SERVICE 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
 - Part inventory management
 - Invoicing/signature capture
 - Task management
 - Order tracking
 - Location based services
 - Appointment scheduling

DSD/Route accounting

- Pre-sales, delivery, vending, merchandiser, route drivers
- Automated ordering

Our industry-leading 1D scan engine with Adaptive Scan™ technology makes scan-intensive tasks easy a broad scanning range allows the easy capture of bar codes from near contact to as far as 15 ft./4.5 m away, even if they are dirty, damaged or poorly printed.

Inside-outside wireless connectivity

Keep workers connected out on the road and in the office with 3.5G GSM HSDPA cellular and 802.11a/b/g Wi-Fi.

GPS services in more areas

Workers can count on dependable GPS access to real-time directions and geostamps that automatically capture information for applications even in challenging urban areas, dense foliage or inside buildings.

Expand functionality with our complete accessory family

Our full family of desktop and vehicle charging cradles, holsters and cables makes it easy for users to manage the MC45 out on the road and in the depot. The MC45 can accept practically any type of payment including Chip and PIN-based credit and debit cards through Zebras Mobile Payment Module. Bluetooth provides an easy wireless connection to third-party mobile printers, headsets and more.

Comprehensive camera functionality

The integrated 3.2 MP color camera allows workers to capture practically any type of data to streamline business processes, including 2D bar codes, as well as photos and videos.

Best battery power in its class

With the most battery power in its class, the MC45 delivers plenty of power for a full shift even in wireless or usage intensive environments.

Built-in support for OS-agnostic applications

Support for Zebra Technologies RhoMobile Suite enables the deployment of HTML5 based OS-agnostic applications, substantially reducing application development time and costs a single application can run on mobile devices with different operating systems.

- Inventory reconciliation
- Delivery tracking
- Full service vending,
- Direct Exchange/ Uniform Communication Standard (DEX)
- Competitive surveys
- Shelf space analysis
- Route optimization

Transportation & Logistics

- **Route drivers**
 - Pick-up and delivery
 - Fleet management
 - Proof of delivery
 - Baggage and cargo tracking
 - Dispatch and dynamic routing
 - Stock keeping
 - Signature capture
 - Receiving and shipping
 - Maintenance and repair facilities

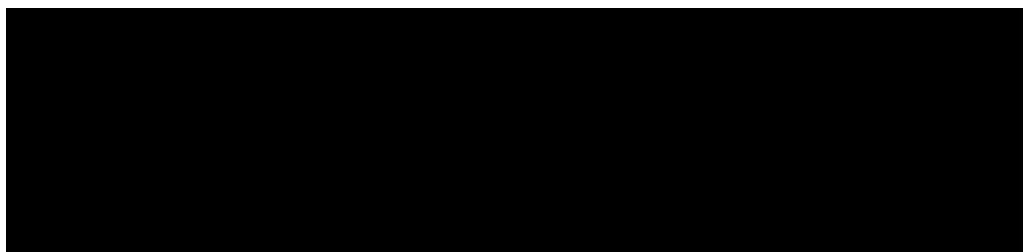
THE MC45 A NEW LEVEL OF AFFORDABILITY FOR FIELD MOBILITY

For more information, visit www.zebra.com/mc45 or access our global contact directory at www.zebra.com/contact

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		DATA CAPTURE	
Dimensions	5.6 in. L x 2.6 in. W x 1.0 in. D 14.2 cm L x 6.6 cm W x 2.5 cm D	Camera	Autofocus 3.2 MP with user-controllable flash; supports integrated 1D/2D bar code capture
Weight	8.73 oz./247.4 g	1-D Laser Scanner	1-D* laser with Adaptive Scan technology
Display	Outdoor-viewable 3.2 in. QVGA with backlight, 240 W x 320 L	* Please refer to the MC45 User Guide or Integrator Guide for full data capture specifications.	
Touchpanel	Polycarbonate analog resistive touch		
Backlight	LE D backlight		
Standard Battery	Rechargeable Lithium Ion 3.7V, 3080 mAh	WIRELESS WAN DATA AND VOICE COMMUNICATIONS	
Expansion Slot	User accessible 32 GB microSD slot with SDHC support	Radio	3.5G HSDPA, Quad-Band GPRS/EDGE
Network Connections	USB 2.0 High Speed (host and client), WLAN, WWAN and Bluetooth	Frequency Band	GSM Quad Band : 850/900/1800/1900 MHz UMTS/HSDPA Americas: 850/1900 MHz UMTS/HSDPA Rest of the world: 2100 MHz
Notification	Vibrator and audible tone plus multi-color LED	GPS	Integrated, Autonomous and Assisted-GPS (A-GPS)
Keypad	26-key numeric	WIRELESS LAN DATA AND VOICE COMMUNICATIONS	
Voice and Audio	VoWWAN: handset mode with active noise reduction, high-quality speaker phone, Bluetooth wireless headset mode	Radio	Tri-mode IEEE ® 802.11a/b/g
PERFORMANCE CHARACTERISTICS		Data Rates Supported	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps
		Security	WPA2, WEP (40 or 128 bit), TKIP, TLS, TTLS (MSCHAP), TTLS (MS-CHAP v2), TTLS (CHAP), TTLSMD5, TTLS-PAP, PEAP-TLS, PEAP (MS-CHAP v2), AES, LEAP, CCXv4 certified
		Memory	256 MB RAM / 1GB Flash
USER ENVIRONMENT		WIRELESS PAN DATA AND VOICE COMMUNICATIONS	
Operating Temp.	-10°C to 50°C/14°F to 122°F	Bluetooth	Class II , V2.0 with Enhanced Data Rate (EDR)
Storage Temp.	-40°C to 70°C /-40°F to 158°F	PERIPHERALS AND ACCESSORIES	
Humidity	5% to 95% non-condensing	Wall charger; Micro USB cables; single-slot charging cradle; 4-slot battery charger; innovative multi-slot cradle that holds terminal	
Drop Specification	Multiple 6 ft./1.8 m drops per MIL-STD-810G		
Tumble	250 0.5 m (1.5 ft.) tumbles (		

Specification	500 drops); per applicable IEC tumble specifications	as well as battery charger through field replaceable cups; vehicle cradle with suction cup; auto charger; rugged USB adapter; DEX cable; holster and more. Visit www.zebra.com/mc45 for a complete list of accessories.
ESD	+/-15kVdc air discharge, +/-8kVdc direct discharge, +/-8kVdc indirect discharge	REGULATORY
Sealing	IP 64 per applicable IE C sealing specifications	Visit www.zebra.com/mc45 for regulatory information
Vibration	.02g2/Hz Random, Non-Operating, 1 hour duration per axis	WARRANTY
Thermal Shock	-40°F to 158°F/-40°C to 70°C rapid transition	Subject to the terms of Zebras hardware warranty statement, the MC45 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to: http://www.zebra.com/warranty
ZEBRA INTERACTIVE SENSOR TECHNOLOGY (IST)		
Ambient Light Sensor	Automatically adjusts required display backlight to maximize power efficiency	RECOMMENDED SERVICES
Proximity sensor	Automatically detects when the user places the handset against head during a phone call to disable display output and touch input	<i>Managed Device Service:</i> Outsource everyday device management to Zebra. We will track, monitor and manage your MC45 devices.
		<i>Service from the Start with Comprehensive Coverage:</i> A unique service that covers normal wear and tear as well as accidental damage to internal and external components.
		Scanning options: LED lighting with high AC ripple



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ZEBRA TECHNOLOGIES



MC45

Configuration and Accessory Guide



MC45 Series



What is included in the box:



MC45 + Battery + Stylus

- + Quick Start Guide
- + Regulatory Guide
- + 1 Year Standard Warranty

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



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

For access to additional product information including this guide, please visit:
www.zebra.com/mc45

Step 1: Choose an MC45 configuration

CONFIGURATION OPTIONS:	MC45XX-XXXXXXX	OPTION	DESCRIPTION
Radio	MC458x-xxxxxxx	8	No Wifi, BT 2.0, GPS
	MC459x-xxxxxxx	9	802.11 a/b/g, BT 2.0, GPS
	MC45Nx-xxxxxxx	N	No Wifi, BT 2.0, GPS, NFC (EA only)
WAN Config	MC45xx-Axxxxxx	A	2100 MHz HSDPA, Quad-band GSM
	MC45xx-Bxxxxxx	B	850/1900 MHz HSDPA, Quad-band GSM
Data Capture	MC45xx-xAxxxxx	A	SE965 + 3.2MP Camera
	MC45xx-xBxxxxx	B	3.2 MP Camera
Language	MC45xx-xxxxAxx	A	English
	MC45xx-xxxxCxx	C	Traditional Chinese
	MC45xx-xxxxFxx	F	French
	MC45xx-xxxxGxx	G	German
	MC45xx-xxxxIxx	I	Italian
	MC45xx-xxxxMxx	M	Simplified Chinese
	MC45xx-xxxxSxx	S	Spanish
	MC45xx-xxxxKxx	K	Korean
	MC45xx-xxxxJxx	J	Japanese
	MC45xx-xxxxPxx	P	Brazilian Portuguese

All currently available MC45 configurations include the following features:

1. WAN: GSM/HSDPA
2. Form Factor: PDA
3. Operating System: WEH 6.x Prof
4. Memory: 256MB/1GB

Step 2: Choose a spare battery and spare battery charger

3080 mAh Battery



Single Pack BTRY-MCXX-3080-01R
10-Pack BTRY-MCXX-3080-10R

Replacement Battery Door



Battery Door
(Single Pack) **KT-MC45-BTRYD-01R**

MC45 4-Slot Battery Charger



SAC45XX-4000CR

! MC45 4-Slot Battery Charger requires a separate order of power supply (PWRS-14000-148C) and country specific 3 wire AC line cord sold separately



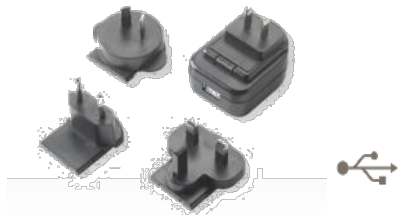
Step 3: Choose a charging method

Single Slot Cradle



CRDMC45-1000CR

Single Slot Charge Only Cradle



Power Supply

PWRS-124306-01R

USB Cable

25-128458-01R



MC45 single slot cradle requires a separate order of power supply (PWRS-124306-01R) and USB Cable (25-MCXUSB-01R) sold separately

5-Slot Cradles



CRDUNIV-45-5000R

MC45 5-Slot Charge Only Cradle



Power Supply

PWRS-14000-148R



MC45 4 Slot Battery Chargers require a separate order of power supply (PWRS-14000-148R) and country specific 3 wire AC line cord sold separately

Step 4: Choose an auto charging method

Vehicle Charge Cradle



VCD45XX-1000R

Vehicle Charge Cradle for MC45; Passes Power to MC45 through bottom IO connectors. Includes Suction Cup Mount.



Must order Power Supply VCA400-01 separately

Vehicle Cradle Power Supply



VCA400-01R

12/24 VOLT MICRO USB AUTO CHARGER (Input: 12-24VDC 1.3A; Output: 5.0V— 1.2A)



Note: the VCA400-01R is designed to connect directly to the micro USB on the vehicle cradle & should NOT be connected directly to your mobile computer.

Step 5: Choose cradle accessories

Cradle Base



CRDUNIV-XX-5000R

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



Note: Power Supply, AC Line Cord, and device specific charging cups sold separately.



CUPMC45XX-1000R

MC45 Replacement Charging Cup for 5 slot
Charge Only Cradle – (QTY-1).



Note: Base, Power Supply, AC Line Cord all sold separately.

Cradle Parts



CUPUNIBTRY-1000R

4-Slot Battery Charger Adapter Cup. Provides ability to
mount a 4-Slot Battery Charger on to the 5-Slot Charge
Only Cradle (sold separately). 4-Slot Battery Charger
requires its own power supplies.



*Base and Powers Sold Separately.
See Cradle Configuration slide for more information.*



CUPUNICVR-5000R

Blank Slot Covers for MC45 5-Slot Cradle - Plastic lid to cover
and protect cradle charge slots when MC45 charge cups are
not in use. (QTY-5).



*Base and Powers Sold Separately.
See Cradle Configuration slide for more information.*

Step 6: Cradle configurations

Charge 5 Terminals



Required Parts

QTY	SKU
1x	CRDUNIV-45-5000R  MC45 5-Slot Charge Only Cradle w/ 5 Terminal Cups
1x	Power Supply: PWRS-14000-148C 
1x	Country Specific AC Line Cord 

Charge 4 Terminals + 4 Batteries



Required Parts

QTY	SKU
1x	CRDUNIV-45-5000R  MC45 5-Slot Charge Only Cradle w/ 5 Terminal Cups
1x	CUPUNIBTRY-1000R Cradle Adapter Cup for 4-Slot Battery Charger 
1x	SAC40XX-4000R 4-Slot Battery Charger 
2x	Power Supply: PWRS-14000-148C 
2x	Country Specific AC Line Cord 

Step 6: Cradle configurations

5-Slot Cradle & 4-Slot Battery Charger Power Supplies



PWRS-14000-148C

Power Supply 100-240VAC, 12VDC, 4.16A
MOD. Order country specific three wire
grounded AC Line Cord. See last page for
AC Line cord List.

Single Slot Cradle Power Supply



PWRS-124306-01R

Power Supply
100-240 VAC, 5 V, 1.2 A with country specific
plugs. Requires USB Cable (25-128458-01R)

Step 7: Choose USB accessories

Micro USB Adapter

 **ADP45XX-100R**

- Designed to allow rugged USB connections
- Easily replaceable
- Supports DEX and other attached peripherals (Sold Separately)



DEX Cable



 **25-45793-01R**

MC45 DEX Cable; Requires
Adapter sold separately



USB Cable



 **25-128458-01R**

MC45 USB
SYNC & Charge Cable
Adapter sold separately

Step 8: Choose soft goods

Holster



SG-MC45-HLSTR-01R
MC45 Soft Hip
Holster

Hand Strap



SG-MC45-STRAP-01R
MC45 Hand strap
QTY-1

Stylus



KT-MC45-STYTH-10R
MC45 Replacement
Stylus w/ Tether - 10 Pk

Screen Protector



KT-MC45-SCRNP-10R
MC45 Screen
Protector - 10 Pk

Step 9: Choose third-party accessories

Industrial Grade

ATP Industrial Grade microSD flash memory card designed and tested for rugged mobile computing and intensive program/erase operation.

Commercial Grade

Designed for READ intensive applications w/ STD data retention. For Read/Write intensive application that require extended data retention or harsh environments use SLC industrial grade

Size	Pack	Industrial Grade	Commercial Grade
1GB	1 Pack	AF1GUDI-MOT1-1P	
	10 Pack	AF1GUDI-MOT1-10P	
2GB	1 Pack	AF2GUDI-MOT1-1P	
	10 Pack	AF2GUDI-MOT1-10P	
4GB	1 Pack	AF4GUDI-MOT1-1P	AF4GUD-MOT001
	10 Pack	AF4GUDI-MOT1-10P	
8GB	1 Pack	AF8GUDI-MOT1-1P	AF8GUD-MOT001
	10 Pack	AF8GUDI-MOT1-10P	
16GB	1 Pack		AF16GUD-MOT001
32GB	1 Pack		AF32GUD-MOT001

Step 10: Choose country-specific AC line cord

Country	Three Wire Grounded AC Line Cord
Abu Dhabi	50-16000-220R: 1.8M long, CEE 7/7 plug.
Australia	50-16000-217R: 1.9M long, AS 3112 plug.
Bolivia	50-16000-220R: 1.8M long, CEE 7/7 plug.
Brazil	50-16000-727R: 18AWG, 250V, 16A, BR (3w).
China	50-16000-217R: 1.9M long, AS 3112 plug. 50-16000-257R: 1.8M long, IEC 60320 C13 plug.
Dubai	50-16000-220R: 1.8M long, CEE 7/7 plug.
Egypt	50-16000-220R: 1.8M long, CEE 7/7 plug.
Europe	50-16000-220R: 1.8M long, CEE 7/7 plug.
Hong Kong	50-16000-219R: 1.8M long, BS1363 plug.
India	50-16000-669R: 1.9M long, BS 546 plug.
Iran	50-16000-220R: 1.8M long, CEE 7/7 plug.
Iraq	50-16000-219R: 1.8M long, BS1363 plug.

Country	Three Wire Grounded AC Line Cord
Israel	50-16000-672R: 1.9M long, S132 plug.
Italy	50-16000-671R: 1.8M long, CIE 23-16 plug.
Japan	50-16000-218R: 1.8M long, NEMA 1-15P plug.
Korea	50-16000-220R: 1.8M long, CEE 7/7 plug. 50-16000-256R: 1.8M long, CEE7/7 plug.
Malaysia	50-16000-219R: 1.8M long, BS1363 plug.
New Guinea	50-16000-217R: 1.9M long, AS 3112 plug.
Russia	50-16000-220R: 1.8M long, CEE 7/7 plug.
Singapore	50-16000-219R: 1.8M long, BS1363 plug.
UK	50-16000-219R: 1.8M long, BS1363 plug.
US	23844-00-00R: 7.5 feet long. 50-16000-221R: 1.8M long, USA NEMA 5-15P.
Vietnam	50-16000-220R: 1.8M long, CEE 7/7 plug.