



# MC3100 Series

## EMC Configuration and Accessories Guide

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



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## II. MC3100 Series Accessories





# MC3100

## Configuration Guide



# MC3100 Series

- **CONFIGURATION AND ACCESSORY GUIDES** are available on Insite and PartnerCentral
- For more information visit:  
[www.motorolasolutions.com/mc3100](http://www.motorolasolutions.com/mc3100)
- All MC3100 series accessories are backward compatible with MC3000 accessories including: cradles, Holsters and cables.

Find Product Information in the **EMC Product Portfolio** on [Insite](#) and [Partner Central](#)

## Partner Central



- MC3100 Third party accessories:
  - [www.Portsouth.com](http://www.Portsouth.com)
  - [www.Apriva.com](http://www.Apriva.com)



# MC3100 Configuration Matrix

CONFIGURATION OPTIONS:	MC31XX	OPTION	DESCRIPTION
Radio Option	MC310x-xxxxxxxx	0	Batch with Bluetooth (Limited audio support – includes speaker, no audio jack, no microphone, no receiver, can only play Wav file)
	MC319x-xxxxxxxx	9	WLAN 802.11 a/b/g with Bluetooth (Full audio support for Turret, Straight Shooter and Gun)
RFID	MC31x0-xxxxxxxx	0	No integrated RFID reader
Form Factor	MC31xx-Rxxxxxxxx	R	Rotating (Turret) Head
	MC31xx-Sxxxxxxxx	S	Straight Shooter
	MC31xx-Gxxxxxxxx	G	Gun
Data Capture options (Scanner)	MC31xx-xLxxxxxxxx	L	1D Laser SE950
	MC31xx-xIxxxxxxxx	I	2D Imager SE4500 for 1D/2D bar codes
	MC31xx-xDxxxxxxxx	D	SE4500HD for 1D/2D bar codes and Direct Part Marks
Keyboard Options	MC31xx-xx2xxxxxx	2	28 Key Numeric Keypad
	MC31xx-xx3xxxxxx	3	38 Key Shifted Alpha Keypad
	MC31xx-xx4xxxxxx	4	48 Key Alpha Numeric Keypad
Battery Options	MC31xx-RxxSxxxxx	S	Standard (1X) Battery (Rotating {Turret} Head only)
	MC31xx-S or GxxHxxxxx	H	High Capacity (2X) Battery (Straight Shooter and Gun only)
Operating System options	MC31xx-xxxx0xxxx	0	Microsoft Windows CE 6.0 Pro
	MC31xx-xxxx1xxxx	1	Windows Mobile 6.1 Classic (includes MS Office)
	MC31xx-xxxx2xxxx	2	Windows Mobile 6.5 Classic (includes MS Office)
Memory Options	MC310x-xxxxx1xxx	1	128MB RAM/ 256MB Flash (Batch configs only)
	MC319x-xxxxx2xxx	2	128MB RAM/ 512MB Flash (WLAN configs only)
	MC310x-xxxxx3xxx	3	256MB RAM / 512MB Flash (Batch configs only)
	MC319x-xxxxx4xxx	4	256MB RAM/1GB Flash (WLAN configs only)
Operating System Language	MC31xx-xxxxxxXxx	E,F,G,H,I,J,K,C,S,T	English, French, German, Italian, Japanese, Korean, Simplified Chinese, Spanish, Traditional Chinese
Additional Features	MC31xx-xxxxxxx0x	0	None
	MC31xx-xxxxxxx1x	1	Integrated Sensing Technology
	MC31xx-xxxxxxxXx	4	Custom Products assigned
Country or Custom Code	MC310x-xxxxxxx0	0	World Wide Batch with Bluetooth
	MC319x-xxxxxxxU	U	WLAN for United States only
	MC319x-xxxxxxxW	W	World Wide WLAN excluding US
	MC319x-xxxxxxxA	A	World Wide WLAN (excluding Japan)

# MC3100

## Form Factors



- The straight-shooter is ideal for standard scanning applications.
- The gun provides all day comfort for scan intensive activities.
- The turret provides the flexibility to adjust the scanning position, improving user comfort.

## MC3100 Form Factor Options

### Straight Shooter

#### Operating System

- Windows CE 6.0
- Windows Mobile 6.X Classic

#### Memory

- 128 MB RAM/ 256 MB Flash
- 128 MB RAM/ 512 MB Flash

### Rotating (Turret) Head

#### Operating System

- Windows CE 6.0
- Windows Mobile 6.X Classic

#### Memory

- 128 MB RAM/ 256 MB Flash
- 128 MB RAM/ 512 MB Flash

### Gun

#### Operating System

- Windows CE 6.0
- Windows Mobile 6.X Classic

#### Memory

- 128 MB RAM/ 512 MB Flash

# MC3100

## Data capture methods



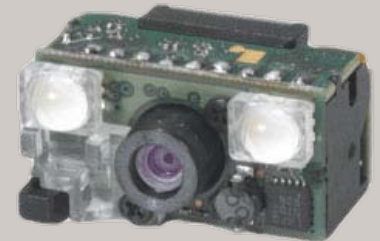
Data capture options

### Scan Engines

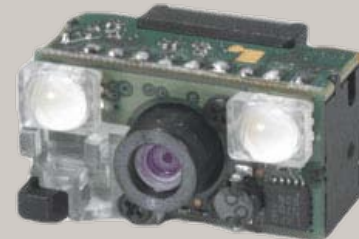
<b>SE950</b>	1D Standard Range Laser Scanner
<b>SE4500</b>	1D/2D Imager Module
<b>SE4500HD</b>	1D/2D High Density Imager Module for Direct Part Marks (DPM)



**SE950**  
1D Standard Range Laser Scanner



**SE4500**  
2D Imager Module



**SE4500HD**  
1D/2D High Density Imager  
for DPM

# MC3100

## Keypads



### Keypad options

#### 28 Key Numeric Telephony

Large numeric keys  
10 Shifted function keys  
Alpha characters by SMS style



#### 38 Key Shifted Alpha

Calculator style numeric  
10 Direct function keys  
Shifted Alpha



#### 48 Key Alpha-Numeric

Full alpha-numeric keypad  
13 Shifted function keys





# MC3100

## Operating systems

### Operating System options



Microsoft Windows Embedded  
Handheld 6.5 Classic Edition




Microsoft Windows  
Embedded Compact 6.0

### Operating System Configurations

**Microsoft Windows** Mobile 6.1 classic

**Microsoft Windows** Mobile 6.5 classic

**Microsoft Windows** Embedded Compact 6.0

Windows CE 6.0 Pro provides a robust programming environment to support the development of rich custom applications. 



Microsoft Windows Mobile 6.X Classic provides users with a familiar and intuitive interface that significantly reduces training time

# MC3100

## Accessories Guide



# Step 1:

## Choose a charging method



### Cradle options



### Single Slot Cradle:

**CRD3000-1001RR** Single slot USB / RS232 Cradle, w/spare battery charging

### Single Slot Cradle Kits:

**CRD3000-101RES (INTERNATIONAL)** Includes: Single Slot Cradle CRD3000-1001RR and Power Supply PWRS-14000-148R. (Must purchase country specific 3 wire AC Cord separately)

**CRD3000-100RES (US)** Includes: Single Slot Cradle CRD3000-1001RR, Power Supply PWRS-14000-148R and US AC Cord 23844-00-00R.



The single slot cradle can charge all the MC31 configurations (straight shooter, rotating head and gun), charges a spare battery and has USB connection.

### Additional accessories for single slot cradle



#### **25-68596-01R**

USB Cable for the cradle to the host system



#### **25-63852-01R**

Provides serial communication between the single slot cradle and a host computer.



#### **PWRS-14000-148R**

Power supply for single slot cradle: 100-240 VAC, 12VDC, 4.16A



#### **23844-00-00R**

US AC line cord, 7.5 feet long, grounded, three wire for power supplies.



#### **25-63856-01R**

Modem adapter cable used to connect the MDM9000-100R to the single slot cradle

# Step 1:

## Choose a charging method



### Cradle options



#### 4 Slot Cradles:

**CHS3000-4001CR** 4 Slot Charge Only Cradle

**CRD3X01-4001ER** 4 Slot Ethernet Cradle

#### 4 Slot Cradle Kits:

**CRD3000-400CES (US)** Includes: 4 Slot Charge Only Cradle CHS3000-4001CR, Power Supply PWRS-14000-241R, DC Cord 50-16002-029R and US AC Cord 23844-00-00R.

**CRD3000-401CES (INTERNATIONAL)** Includes: 4 Slot Charge Only Cradle CHS3000-4001CR, Power Supply PWRS-14000-241R and DC Cord 50-16002-029R. Order country specific 3 wire AC Cord separately

**CRD3X01-401EES (INTERNATIONAL)** Includes: 4 Slot Ethernet Cradle CRD3X01-4001ER, Power Supply PWRS-14000-241R, DC Cord 50-16002-029R. Order country specific 3 wire AC Cord separately.

### Additional accessories for 4 slot cradles



#### **PWRS-14000-241R**

Power supply for 4 slot cradles: 90-264 VAC, 12VDC, 9A



#### **50-16002-029R**

DC cable provides power from the power supply to 4 slot charge only and Ethernet cradles



#### **23844-00-00R**

US AC line cord, 7.5 feet long, grounded, three wire for power supplies.



#### **KT-136648-01R**

Wall mount bracket for 4 slot cradles.

# Step 2:

## Choose battery / battery charging accessories



### Spare Battery options

#### 2470 mAh Battery

**BTRY-MC3XKAB0E**

Standard capacity spare  
Lithium Ion battery, 2470 mAh

Pack of 10 spare batteries is also  
available:  
**(BTRY-MC3XKAB0E-10)**

#### 4800 mAh Battery

**BTRY-MC31KAB02**

High-capacity spare Lithium  
Ion battery, 4800 mAh

Pack of 10 spare batteries is also  
available:  
**(BTRY-MC31KAB02-10)**

#### Replacement battery doors for 1X battery:

**KT-128372-01R**

Standard capacity battery door, for  
straight shooter and rotating head  
configurations only.

#### Replacement battery doors for 2X battery:

**KT-128373-01R**

Hi-capacity battery door, for straight  
shooter and rotating head configurations  
only.

**KT-128374-01R**

Hi-capacity battery door, for gun  
configurations only



# Step 2:

## Choose battery / battery charging accessories



### Spare Battery charging

#### 4 Slot Battery Charger



##### **SAC7X00-4000CR**

4 Slot battery charger, for standard and high-capacity batteries.

#### 4-slot battery charger kits:

**SAC7X00-400CES** US kit. Includes: 4-slot battery charger SAC7X00-4000CR, power supply PWRS-14000-148R and US AC line cord 23844-00-00R.

**SAC7X00-401CES** International kit. Includes: 4-slot battery charger SAC7X00-4000CR and power supply PWRS-14000-148R, must purchase country specific grounded AC line cord separately.

#### Accessories for 4-slot battery charger:



##### **PWRS-14000-148R**

Power supply for 4-Slot Battery Charger



##### **23844-00-00R**

US AC line cord, 7.5 feet long, grounded, three wire for power supplies.

#### Other 4-slot battery chargers (UBC):



##### **UBC2000-I500DES**

Universal battery charger base, includes power supply PWRS-14000-242R and DC line cord 50-16002-011R. Must purchase grounded AC line cord separately.

##### **21-32665-45AR**

Universal battery charger adapter for MC30/MC31 to be used with UBC2000-I500DES.



##### **UBC2000-45AR**

Universal battery charger kit, includes UBC2000-I500DES and four adapters 21-32665-45AR. Must purchase grounded AC line cord separately.

# Step 3:

## Choose charging and communication cables

### Cable options

#### USB/Charge Cable

**25-67868-03R**

USB communication and charge cable, must purchase power supply PWRs-14000-249R and un-grounded AC line cord separately.

#### RS232/Charge Cable

**25-67866-03R**

RS232 communication and charge cable, must purchase power supply PWRs-14000-249R and un-grounded AC line cord separately.

#### Power Cable

**25-70103-03R**

Power only cable, must purchase power supply PWRs-14000-249R and un-grounded AC line cord separately.

#### Printer Cable

**25-91513-01R**

Printer cable, to be used with Zebra QL series.

#### Vehicle Charge Cable

**VCA3000-01R**

Auto charge cable (cigarette lighter) 12/24V

# Step 4:

## Choose carrying accessories



Soft goods for rotating head and straight shooter configurations

### Fabric Holster



**11-69293-01R**

Fabric holster , includes shoulder strap. It can also be used with a belt. For rotating head and straight shooter configurations.

### Plastic Holster



**8710-050005-01R**

Plastic holster, secures to a belt. For rotating head and straight shooter configurations.

### Hand Strap



**SG-MC3123243-01R**

Spare hand strap for rotating head and straight shooter configurations (pkg 1).

### Shoulder strap 58-40000-007R

Universal shoulder strap for holster.



### Belt for holster 11-08062-02R

Universal belt for fabric holster.



### Protective Boots



**11-70899-04R**

Protective boot for straight shooter configurations.



**BOOTSCANTURRETR**

Protective boot for rotating head configurations. Includes terminal boot (11-72097-04R ) and turret cup (11-72096-04R).

# Step 4:

## Choose carrying accessories



Soft goods for gun configurations

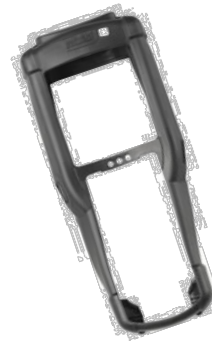
### Holster



#### **SG-MC3021212-01R**

Fabric holster, secures to a belt or a shoulder strap. For gun configurations.

### Protective Boot



#### **11-72959-04R**

Protective boot for gun both imager and laser configurations.

#### **Shoulder strap**

##### **58-40000-007R**

Universal shoulder strap for holster.



#### **Belt for holster**

##### **11-08062-02R**

Universal belt for fabric holster.



### Hand Strap



#### **SG-MC3123242-01R**

Spare hand strap for gun configurations (pkg 1)

#### **SG-MC3123342-01R**

Spare hand strap for gun configurations (pkg 5)

# Step 5:

## Choose other accessories

+ Additional accessories

### Modem Dongle

<b>MDM9000-100R</b>	Provides modem connectivity through single slot USB Cradle
<b>KT-MC3000SERMO DEMR</b>	Provides modem connectivity through single slot USB Cradle. Includes modem dongle MDM9000-100R and cable connector 25-63856-01R.

### Audio

<b>RCH51</b>	Rugged wired headset designed for use in nearly any environment
<b>25-124389-01R</b>	RCH51 headset adapter cable to standard 3-pole 2.5mm barrel jack. For MC30XX models.
<b>25-124411-02R</b>	RCH51 headset adapter cable to standard 3-pole 2.5mm barrel jack. For MC31XX models



**MDM9000-100R**  
Modem Dongle

For modem connectivity through the cradle order 25-63856-01R



**RCH51**  
Rugged Wired Headset

Must purchase headset adapter cable separately, 25-124387-02R



**25-124389-01R**  
Headset adapter cable for MC30XX



**25-124411-02R**  
Headset adapter cable for MC31XX



# Step 5:

## Choose other accessories

+ Additional accessories

### Plastic Screen Guards

**KT-82057-03R** Pack of 3 screen guards

**KT-82057-03R**  
Plastic screen guards



### Hand straps accessories

**KT-97258-01R** Plastic button that attaches the hand strap to the gun configurations.

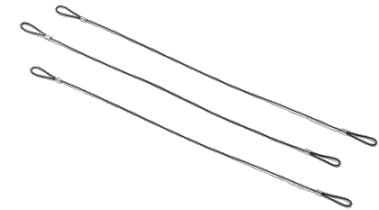
**KT-97258-01R**  
Plastic button for gun hand strap



### Stylus Kits

**KT-73440-01R** Non-elastic tether kit- Pack of 3

**KT-73440-01R**  
Non-elastic tether kit



**11-43912-03R** Tethered stylus for brick configurations- Pack of 3

**11-43912-50R** Tethered stylus for brick configurations- Pack of 50

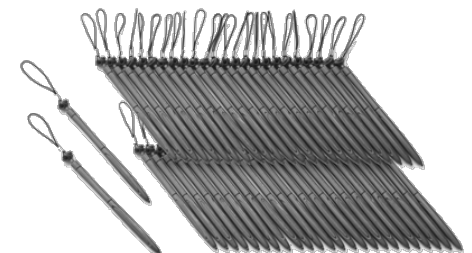
**KT-81680-03R** Tethered stylus for gun configurations- Pack of 3

**KT-81680-50R** Tethered stylus for gun configurations- Pack of 50

**11-43912-03R**  
Replacement stylus for brick configurations



**KT-81680-50R**  
Replacement stylus with tether for gun configurations



# Step 5:

## Choose other accessories

+ 3<sup>rd</sup> Party Accessories

### Smart Card Reader

**100125-00**

Apriva Smart Card Reader

### Ethernet Dongle

**PSA1U1E**

In-line Ethernet to USB Adapter

**100125-00**  
Apriva Smart Card Reader



**PSA1U1E**  
Portsmith in-line Ethernet to USB Adapter