



# MC9100/ MC9200 Series

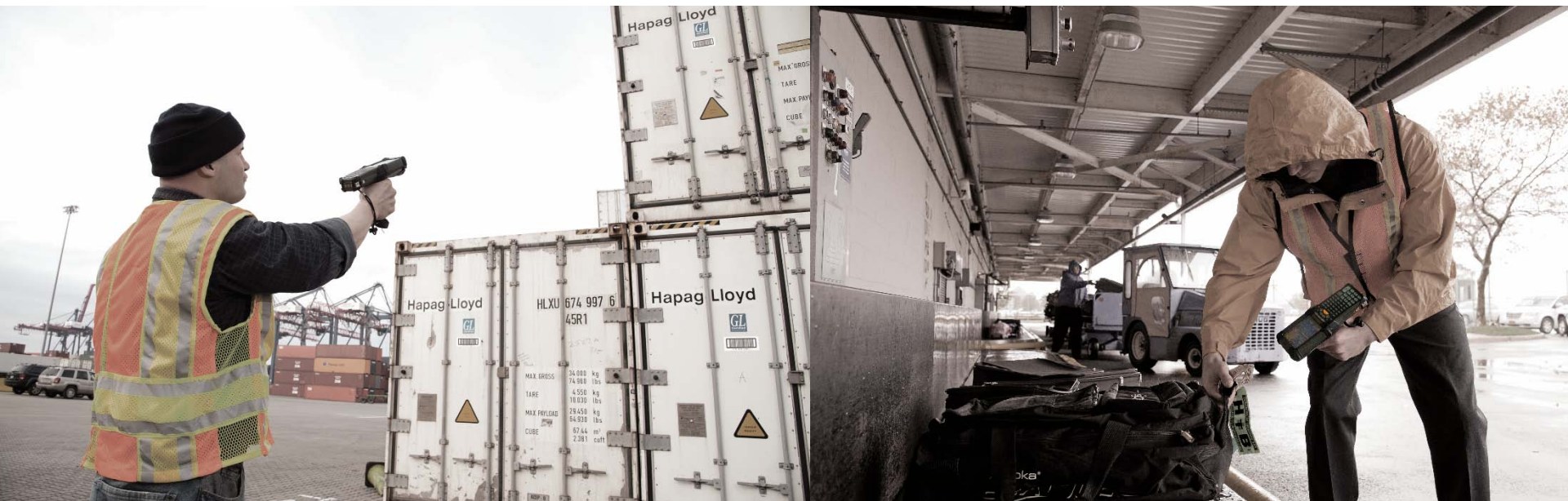
## EMC Configuration and Accessories Guide

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



## Contents

- I. MC9100 Series Configuration Guide**
- II. MC9200 Series Configuration Guide**
- III. MC9100 / MC9200 Series Accessories**



# MC9100

## Configuration Guide



## MC9100 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/mc9190](http://www.zebra.com/mc9190)

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



MC9100 Third party accessories:

- [www.tsl.uk.com](http://www.tsl.uk.com)
- [www.agoraleather.com](http://www.agoraleather.com)

## MC9100 Configuration Matrix

CONFIGURATION OPTIONS:	MC91xx	OPTION	DESCRIPTION
Radio Option	MC91 <b>9</b> x-xxxxxxxxxx	9	WLAN 802.11 a/b/g
Form Factor	MC9190-G <b>x</b> xxxxxxxxxx	G	Gun
Data Capture options (Scanner)	MC9190-G <b>A</b> xxxxxxxxxx	A	SE960 1D Standard range laser
	MC9190-G <b>J</b> xxxxxxxxxx	J	SE1524ER Lorax Long Range Laser
	MC9190-G <b>3</b> xxxxxxxxxx	3	SE4500 Blockbuster Imager
	MC9190-G <b>5</b> xxxxxxxxxx	5	SE4500 Blockbuster Imager with DPM
	MC9190-G <b>8</b> xxxxxxxxxx	8	SE4500 Blockbuster DL Imager for Driver License
	MC9190-G <b>9</b> xxxxxxxxxx	9	SE4600 Long Range Imager
WAN Carrier options	MC9190-Gx <b>0</b> xxxxxxxxxx	0	None
Display	MC9190-Gxx <b>S</b> xxxxxxxxxx	S	Color 3.7" Diagonal (640 x 480 pixels) w/ Touch
Memory options	MC9190-Gxxx <b>W</b> xxxxxx	W	256 MB RAM / 1 GB Flash
Product Feature: User Input/Keyboard	MC9190-Gxxxx <b>A</b> xxxxxx	A	28 Key Numeric Keypad
	MC9190-Gxxxx <b>E</b> xxxxxx	E	53 Key Alpha-Numeric Keypad
	MC9190-Gxxxx <b>F</b> xxxxxx	F	43 Key Numeric Keypad
	MC9190-Gxxxx <b>G</b> xxxxxx	G	53 key VT Emulator Keypad
	MC9190-Gxxxx <b>H</b> xxxxxx	H	53 key 3270 Emulator Keypad
	MC9190-Gxxxx <b>J</b> xxxxxx	J	53 key 5250 Emulator Keypad
Operating System Options	MC9190-Gxxxx <b>Q</b> xxxxxx	Q	Windows Mobile 6.5
	MC9190-Gxxxx <b>Y</b> xxxxxx	Y	Windows Compact Embedded 6.0
Additional Features	MC9190-Gxxxxxx <b>A6</b> xx	A6	Audio, Voice, Bluetooth
	MC9190-Gxxxxxx <b>C6</b> xx	C6	Condensation Resistant with Audio, Voice, Bluetooth
Country or Custom Code	MC9190-Gxxxxxxxx <b>WR</b>	WR	Worldwide ROHS
	MC9190-Gxxxxxxxx <b>JP</b>	JP	Japan
	MC9190-Gxxxxxxxx <b>TN</b>	TN	Tunisia

## MC9100 Data Capture Methods

### Scan Engines

- MC9190-GA** SE961 1D Standard range laser
- MC9190-GJ** SE1524ER Lorax long range laser
- MC9190-G3** SE4500 Blockbuster imager
- MC9190-G5** SE4500 Blockbuster imager with DPM
- MC9190-G8** SE4500 Blockbuster DL imager for driver license
- MC9190-G8** SE4600 Long range imager



**MC9190-GA**  
1D Standard Range Laser



**MC9190-GJ**  
Lorax Long Range Laser



**MC9190-G3**  
**MC9190-G5**  
**MC9190-G8**  
Blockbuster Imager

## MC9100 Keypad Options

### 28 Key Numeric Telephony

Large numeric keys  
Alpha character by SMS system

Spare keypad part number:  
**KYPD-MC9XMR000-01R**



### 43 Key Shifted Alpha

Calculator style numeric  
12 direct function keys

Spare keypad part number:  
**KYPD-MC9XMT000-01R**



### 53 Key Alpha-Numeric

Full alpha-numeric keypad  
10 shifted function keys

Spare keypad part number:  
**KYPD-MC9XMS000-01R**



All replacement keypads are available as snap on, can be changed on site, without sending it to service depot.



# MC9100 Keypad Options

## 3270 Emulator Keypad

Full alpha-numeric  
20 shifted function keys

Spare keypad part number:  
**KYPD-MC9XMV000-01R**



## 5250 Emulator Keypad

Full alpha-numeric  
20 shifted function keys

Spare keypad part number:  
**KYPD-MC9XMW000-01R**



## VT Emulator Keypad

Full alpha-numeric  
20 shifted function keys

Spare keypad part number:  
**KYPD-MC9XMU000-01R**



The emulator keypads are only used when the MC9190-G is running the respective emulation software, otherwise the functions are same as 53- key keypad.

## MC9100 Operating Systems



Microsoft Windows Embedded  
Handheld 6.5 Classic Edition



Microsoft Windows  
Embedded Compact 6.0

### Operating System Configurations

**Microsoft Windows** Embedded  
handheld 6.5 classic edition

**Microsoft Windows** Embedded  
compact 6.0

## MC9100 Additional Features



Audio



Voice



Bluetooth



Condensation Resistant

### Additional Features

**A6** Audio, Voice, Bluetooth

**C6** Audio, Voice, Bluetooth,  
Condensation Resistant



# MC9200

## Configuration Guide



## MC9200 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/mc9200](http://www.zebra.com/mc9200)

- All MC9200 configurations are compatible and backward compatible with all existing accessories including: Cradles, Holsters and Cables.

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



MC9200 Third party accessories:

- [www.vxicorp.com](http://www.vxicorp.com)
- [www.agoraleather.com](http://www.agoraleather.com)

## MC9200 Configuration Matrix

CONFIGURATION OPTIONS:	MC92xx	OPTION	DESCRIPTION
Radio Option	MC92Nx-xxxxxxxxxx	N	WLAN 802.11 a/b/g/n
Form Factor	MC92N0-Gxxxxxxxxxx	G	Gun
Data Capture options (Scanner)	MC92N0-GAxxxxxxxxxx	A	SE965 1D Standard range laser
	MC92N0-GJxxxxxxxxxx	J	SE1524ER Lorax Long Range Laser
	MC92N0-G3xxxxxxxxxx	3	SE4500 Blockbuster Imager
	MC92N0-G5xxYxxxxxxxx	5	SE4500 Blockbuster Imager with DPM (Only in Premium Model)
	MC92N0-G8xxYxxxxxxxx	8	SE4500 Blockbuster DL Imager (Only in Premium Model)
	MC92N0-G9xxxxxxxxxx	9	SE4600 Long Range Imager
WAN Carrier options	MC92N0-Gx0xxxxxxxxxx	0	None
Display	MC92N0-GxxSxxxxxxxx	S	Color 3.7" Diagonal (640 x 480 pixels) w/ Touch
Memory options	MC92N0-GxxxXxxxxxxxx	X	512 MB RAM / 2 GB Flash (Standard Model Config)
	MC92N0-GxxxYxxxxxxxx	Y	1GB RAM / 2 GB Flash (Premium Model Config)
Product Feature: User Input/Keyboard	MC92N0-GxxxxAxxxxxx	A	28 Key Numeric Keypad
	MC92N0-GxxxxExxxxxx	E	53 Key Alpha-Numeric Keypad
	MC92N0-GxxxxFxxxxxx	F	43 Key Numeric Keypad
	MC92N0-GxxxxGxxxxxx	G	53 key VT Emulator Keypad
	MC92N0-GxxxxHxxxxxx	H	53 key 3270 Emulator Keypad
	MC92N0-GxxxxJxxxxxx	J	53 key 5250 Emulator Keypad
	MC92N0-GxxxYVxxxxxx	V	53 key High Visibility White Keys (Only in Premium Model)
Operating System Options	MC92N0-GxxxYxQxxxxx	Q	Windows Mobile 6.5 With MS Office (Only in Premium Model)
	MC92N0-GxxxxxRxxxxx	R	Windows Mobile 6.5 Without MS Office
	MC92N0-GxxxxxYxxxxx	Y	Windows Compact Embedded 7.0
Additional Features	MC92N0-GxxxxxxA5xx	A5	Audio, Voice and Bluetooth
	MC92N0-GxxxYxxA6xx	A6	Audio, Voice, Bluetooth and IST (Only in Premium Model)
	MC92N0-GxxxYxxC6xx	C6	Condensation Resistant with Audio, Voice, Bluetooth, IST (Only in Premium Model)
Country or Custom Code	MC92N0-GxxxxxxxxWR	WR	Worldwide ROHS

## MC9200 Configurations Available



### MC9200 Variants

#### Standard

**Memory:**

- 512MB RAM / 2GB Flash Memory

**Operating Systems:**

- Windows CE 7.0
- Windows embedded handheld 6.5

#### Premium

**Increased memory:**

- 1GB RAM / 2GB Flash Memory

**Operating Systems:**

- Windows CE 7.0
- Windows embedded handheld 6.5 with Microsoft Office

**Added features:**

- Integrated RFID tag (for asset management)
- 53 HV Keypad

**Other Options:**

- DL, DPM, Condensation resistant

## MC9200 Data Capture Methods

### Scan Engines

- |                  |   |
|------------------|---|
| <b>MC9200-GA</b> | SE965 1D Standard range laser                   |
| <b>MC9200-GJ</b> | SE1524ER Lorax long range laser                 |
| <b>MC9200-G3</b> | SE4500 Blockbuster imager                       |
| <b>MC9200-G5</b> | SE4500 Blockbuster imager with DPM              |
| <b>MC9200-G8</b> | SE4500 Blockbuster DL imager for driver license |
| <b>MC9200-G8</b> | SE4600 Long range imager                        |



G5 and G8 available in Premium models only



**MC9200-GA**  
1D Standard Range Laser



**MC9200-GJ**  
Lorax Long Range Laser



**MC9200-G3**  
**MC9200-G5**  
**MC9200-G8**  
Blockbuster Imager

# MC9200 Keypad Options

## 28 Key Numeric Telephony

Large numeric keys  
Alpha character by SMS system

Spare keypad part number:  
**KYPD-MC9XMR000-01R**



## 43 Key Shifted Alpha

Calculator style numeric  
12 direct function keys

Spare keypad part number:  
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## 53 Key Alpha-Numeric

Full alpha-numeric keypad  
10 shifted function keys

Spare keypad part number:  
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All replacement keypads are available as snap on, can be changed on site, without sending it to service depot.



## MC9200 Keypad Options

### 3270 Emulator Keypad

Full alpha-numeric  
20 shifted function keys

Spare keypad part number:  
**KYPD-MC9XMV000-01R**



### 5250 Emulator Keypad

Full alpha-numeric  
20 shifted function keys

Spare keypad part number:  
**KYPD-MC9XMW000-01R**



### VT Emulator Keypad

Full alpha-numeric  
20 shifted function keys

Spare keypad part number:  
**KYPD-MC9XMU000-01R**



The emulator keypads are only used when the MC9200-G is running the respective emulation software, otherwise the functions are same as 53- key keypad.

## MC9200 Operating Systems



**Microsoft Windows Embedded  
Handheld 6.5.3 Professional Edition**



**Microsoft Windows  
Embedded Compact 7.0**

### Operating System Configurations

#### **Microsoft Windows Embedded handheld 6.5.3 professional edition**

- With Microsoft Office (only on premium configurations)
- Without Microsoft Office

#### **Microsoft Windows Embedded compact 7.0**

## MC9200 Additional Features

### Additional Features

- A5** Audio, Voice, Bluetooth
- A6** Audio, Voice, Bluetooth  
Interactive Sensor Technology
- C6** Audio, Voice, Bluetooth,  
Interactive Sensor Technology  
Condensation Resistant



A6 and C6 available in Premium models only



Audio



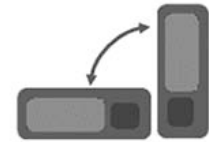
Voice



Bluetooth



Condensation Resistant



Interactive Sensor Technology  
3-axis Accelerometer



# MC9100 MC9200 Accessories Guide



## Step 1: Choose a charging method



### Single Slot Cradle:

**CRD9000-1001SR** Single slot USB / RS232 Cradle, w/spare battery charging

### Single Slot Cradle Kits:

**CRD9000-111SES (INTERNATIONAL)** Includes: Single Slot Cradle CRD9000-1001SR and Power Supply PWRS-14000-148R. (Must purchase country specific 3 wire AC Cord separately)

**CRD9000-110SES (US)** Includes: Single Slot Cradle CRD9000-1001SR, Power Supply PWRS-14000-148R and US AC Cord 23844-00-00R.



The single slot cradle can charge a MC9190-G/MC92N0 gun, charges a spare battery and has USB master and slave connections.

## Additional Accessories for Single Slot Cradle



### 25-64396-01R

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



### 4 Slot Cradles:

**CRD9101-4001CR** 4 Slot Charge Only Cradle

**CRD9000-4001ER** 4 Slot Ethernet Cradle

### 4 Slot Cradle Kits:

#### **CRD9101-411CES** (INTERNATIONAL)

**Includes:** 4 Slot Charge Only Cradle CRD9000-4001ER, Power Supply PWRS-14000-241R and DC Cord 50-16002-029R. Order country specific 3 wire AC Cord separately

#### **CRD9000-411EES** (INTERNATIONAL)

**Includes:** 4 Slot Ethernet Cradle CRD9000-4001ER, Power Supply PWRS-14000-241R and DC Cord 50-16002-029R. Order country specific 3 wire AC Cord separately

#### **CRD9000-410EES** (US)

**Includes:** 4 Slot Ethernet Cradle CRD9000-4001ER, Power Supply PWRS-14000-241R, DC Cord 50-16002-029R and US AC Cord 23844-00-00R.

## 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.

## Step 1: Choose a charging method

### Wall Mounting Bracket



#### **KT-61498-01R**

Wall mounting bracket, order one for a single slot cradle on one for the 4 slot battery charger, order two for 4 slot cradles. Must purchase the cradle bracket separately to install the cradle on the wall mount bracket.

### Cradle Bracket



#### **KT-61499-01R**

Cradle Bracket, order one for a single slot cradle and one for the 4 slot battery charger, order two for 4 Slot Cradles. Attaches to the bottom of the cradle and is required to install the cradle on the wall mounting bracket.

## Step 1: Choose a charging method



### Forklift Cradle:

#### FLC9000-1001R

Provides a secure mounting solution, equipped with rugged RS232 and USB ports capable of powering and communicating with tethered devices.

! The forklift cradle allows USB and RS232 connectivity between a docked MC9190-G/MC92N0-G and external devices such as scanners or printer (additional cables required)

### Forklift Cradle Kits:

**KT-FLC9000-LV** Includes Fork Lift Cradle (FLC9000-1001R), Low Voltage Power Converter (PWRS-14000-252R) and Power Cable (25-103873-01R)

**KT-FLC9000-HV** Includes Fork Lift Cradle (FLC9000-1001R), High Voltage Power Converter (PWRS-14000-251R), Power Cable (25-103872-01R)

! Must purchase separately:

- Specific power converter : PWRS-14000-252R for low voltage or PWRS-14000-251R for high voltage
- Power input cable : 25-103872-01R

## Additional Accessories for Forklift Cradle



#### PWRS-14000-251R

Fork Lift High Voltage Power Converter from 18-75VDC to 12VDC



#### PWRS-14000-252R

Fork Lift Low Voltage Power Converter from 9-30VDC to 12VDC



#### 25-103872-01R

Forklift power input cable



#### 25-71917-02R

RS232 Cable, coiled 9' extended, rugged amphenol connector.



#### 25-71918-01R

USB Cable, coiled 9' extended, rugged amphenol connector

## Step 2: Choose battery / battery charging accessories

### 2200 mAh Battery



#### **KT-21-61261-01**

Spare Lithium Ion battery,  
2200 mAh

Pack of 10 spare batteries is also  
available:  
**(BTRY-MC90GKAB0E-10)**

### Spare Battery Charging Options:



#### **CRD9000-1001SR**

Single Slot Serial / USB Cable  
with spare battery charging



#### **SAC9000-4000R**

4-slot battery charger, charges  
four spare batteries.

### Accessories for 4-slot Battery Charger:



#### **25-72614-01R**

DC Line Cord for 4-Slot Battery Charger



#### **PWRS-14000-242R**

Power supply for 4-Slot Battery Charger



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

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

### 4-slot Battery Charger Kits:

#### **SAC9000-400CES**

US kit. Includes: 4-slot battery charger  
SAC9000-4000R, power supply PWRS-  
14000-242R, DC line cord 25-72614-01R  
and US AC line cord 23844-00-00R.

#### **KIT-SAC9000-4001ES**

International kit. Includes 4-slot battery  
charger SAC9000-4000R, power supply  
PWRS-14000-242R and DC line cord 25-  
72614-01R, must purchase country  
specific AC line cord separately.

## Step 3: Choose charging cables/adapters

### Cable Adapter Module



**ADP9000-100R**  
(3.3v - 500mAh) provides communication to the host or printer and can be used for AC charging

### Cable options for ADP9000-100R:



**25-62166-01R**  
USB Cable for  
Cable for adapter  
module



**25-62168-01R**

Paxar printer cable  
for adapter module



**25-62167-02R**  
DEX cable for  
adapter module



**25-62169-01R**

O'Neil printer cable  
for adapter module



**25-62167-03R**  
DEX cable w/  
floating jack screws  
for adapter module



**25-62170-02R**

Zebra printer cable  
for adapter module

### Other adapter modules and kits:

**KT-ADP9000-100ES** Includes: ADP9000-100R, power supply PWRS-14000-148R and US line cord 23844-00-00R.

**ADP9000-110R** (5VDC - 350mA) for use with long range scanner LS3408ER

**ADP9000-120R** (5VDC - 350mA) for use with Apriva BT200 Reader



**VCA9002-12R** Auto charge cable 12V  
for adapter module

**VCA9000-24R** Auto charge cable 24V  
for adapter module

## Step 4: Choose carrying accessories

### Holsters



**SG-MC9121112-01R**

Soft material holster for gun configurations only



**SG-MC9027242-01R**

Holster for use with Tethered Cac Solution And Aprivia Bluetooth Bt200

### Heated Boot



**SG-MC9024242-01R**

Allows device to be used in Freezer Applications.



Heated Boot requires 4 AA batteries for the heating element, not provided with the unit

**Shoulder strap**

**58-40000-007R**

Universal shoulder strap for holster.



### Protective Boot



**11-67218-04R**

Protective boot for gun configurations only

**Belt for holster**

**11-08062-02R**

Universal belt for fabric holster.



## Step 5: Choose other accessories

### Modem Dongle

**MDM9000-100R** Provides modem connectivity through MC9200-G or single slot USB Cradle



**MDM9000-100R**  
Modem Dongle

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



### Audio

**RCH51** Rugged wired headset designed for use in nearly any environment

**25-124387-02R** RCH51 headset adapter cable to standard 3-pole 2.5mm barrel jack.

**RCH51**  
Rugged Wired Headset

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



### Belt Clip Kit

**KT-70147-01R** Belt clip kit is designed to hold the mobile computers firmly in place while on the move.



**KT-70147-01R**  
Belt Clip Kit

## Step 5: Choose other accessories

### Plastic Screen Guards

**KT-151827-03R** Pack of 3 screen guards

**KT-151827-500R** Pack of 500 screen guards

**KIT-MC9X-  
SCRP1L-50** Laminate exit window overlay for use  
in food processing environment-  
Pack of 50



**KT-151827-03R**  
Plastic Screen Guards

### Hand straps

**KT-66447-03R** Replacement hand straps - Pack of 3



**KT-66447-03R**  
Replacement Hand straps

### Stylus Kits

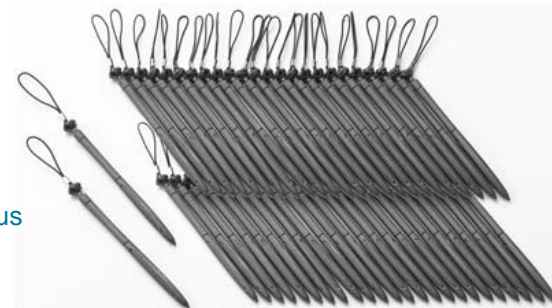
**KT-68144-10R** Replacement grey stylus - Pack of 10

**KT-68144-50R** Replacement grey stylus - Pack of 50



**KT-68144-10R**  
Replacement Grey Stylus

**KT-81680-50R**  
Replacement Grey Stylus  
with tether



## Step 5: Choose other accessories

### Bluetooth Headsets (for MC9200 only)

**B250XT+** VXi Corp Bluetooth Wireless Headset

**Expressway II** VXi Corp Bluetooth Wireless Headset

### Forklift Ballistic Holster

**Y6911DWSP** Ballistic Nylon Holster for Forklift, Vehicle or Wall Mounting

### Card Reader (For MC9100 only)

**1139-01-SO-MC9X00-CAC**

TSL Common Access Card (CAC) Reader capable of reading Common Access Cards (CAC) as well as Smart Cards compliant with ISO7816-1,2,3,4.



**B250-XT+**  
Bluetooth Headset for MC9200

Bluetooth Headsets for WBA/VDP use case only



**Expressway II**  
Bluetooth Headset for MC9200



**Y6911DWSP**  
Ballistic Holster for Forklift



**1139-01-SO-MC9X00-CAC**  
TSL Common Access Card reader for MC9100