



# MC9100/ MC9200 Series

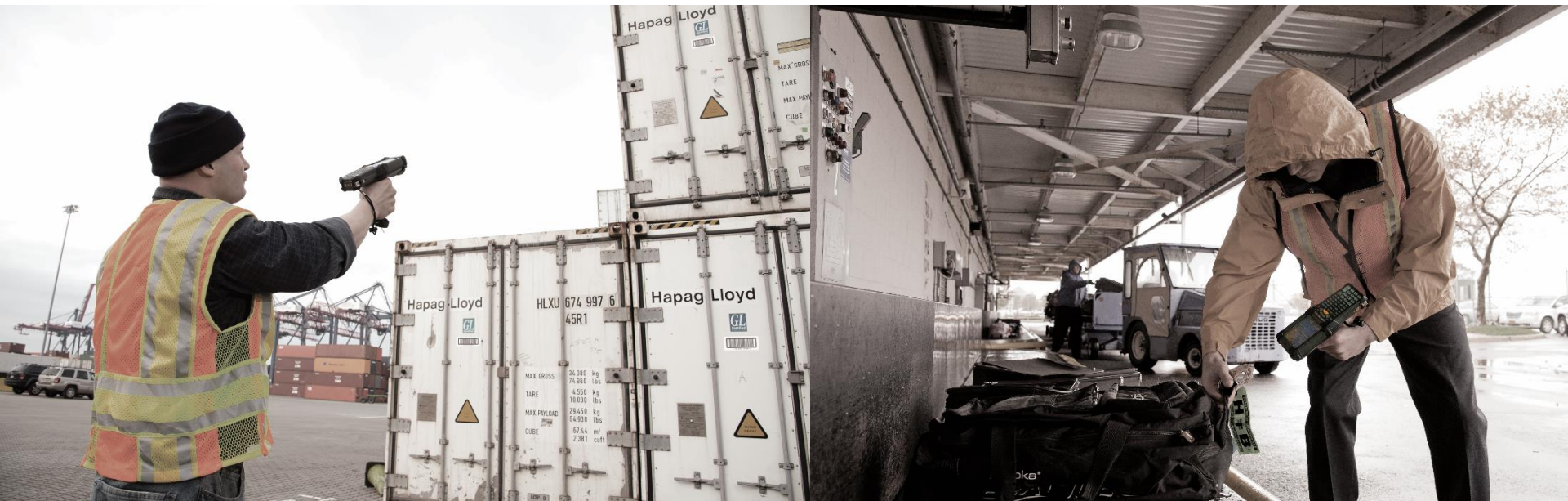
## EMC Configuration and Accessories Guide

*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



CONFIGURATION OPTIONS:	MC91xx	OPTION	DESCRIPTION
<b>Radio Option</b>	MC919x-xxxxxxxx	9	WLAN 802.11 a/b/g
<b>Form Factor</b>	MC9190-Gxxxxxxxx	G	Gun
<b>Data Capture options (Scanner)</b>	MC9190-GAxxxxxxxx	A	SE960 1D Standard range laser
	MC9190-GJxxxxxxxx	J	SE1524ER Lorax Long Range Laser
	MC9190-G3xxxxxxxx	3	SE4500 Blockbuster Imager
	MC9190-G5xxxxxxxx	5	SE4500 Blockbuster Imager with DPM
	MC9190-G8xxxxxxxx	8	SE4500 Blockbuster DL Imager for Driver License
	MC9190-G9xxxxxxxx	9	SE4600 Long Range Imager
<b>WAN Carrier options</b>	MC9190-Gx0xxxxxxxx	0	None
<b>Display</b>	MC9190-GxxSxxxxxx	S	Color 3.7" Diagonal (640 x 480 pixels) w/ Touch
<b>Memory options</b>	MC9190-GxxxWxxxxxx	W	256 MB RAM / 1 GB Flash
<b>Product Feature: User Input/Keyboard</b>	MC9190-GxxxxAxxxxx	A	28 Key Numeric Keypad
	MC9190-GxxxxExxxxx	E	53 Key Alpha-Numeric Keypad
	MC9190-GxxxxFxxxxx	F	43 Key Numeric Keypad
	MC9190-GxxxxGxxxxx	G	53 key VT Emulator Keypad
	MC9190-GxxxxHxxxxx	H	53 key 3270 Emulator Keypad
	MC9190-GxxxxJxxxxx	J	53 key 5250 Emulator Keypad
<b>Operating System Options</b>	MC9190-GxxxxQxxxx	Q	Windows Mobile 6.5
	MC9190-GxxxxYxxxx	Y	Windows Compact Embedded 6.0
<b>Additional Features</b>	MC9190-GxxxxxA6xx	A6	Audio, Voice, Bluetooth
	MC9190-GxxxxxC6xx	C6	Condensation Resistant with Audio, Voice, Bluetooth
<b>Country or Custom Code</b>	MC9190-GxxxxxxxxWR	WR	Worldwide ROHS
	MC9190-GxxxxxxxxJP	JP	Japan
	MC9190-GxxxxxxxxTN	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**



## MC9100 Keypad Options

### 3270 Emulator Keypad

Full alpha-numeric  
20 shifted function keys

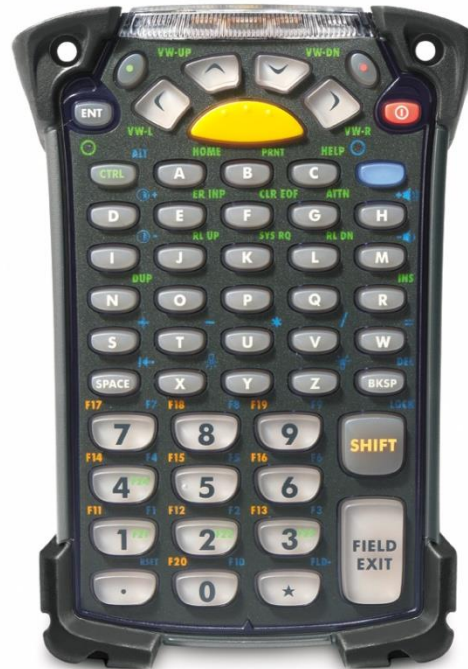
Spare keypad part number:  
**KYPD-MC9XMV000-01R**



### 5250 Emulator Keypad

Full alpha-numeric  
20 shifted function keys

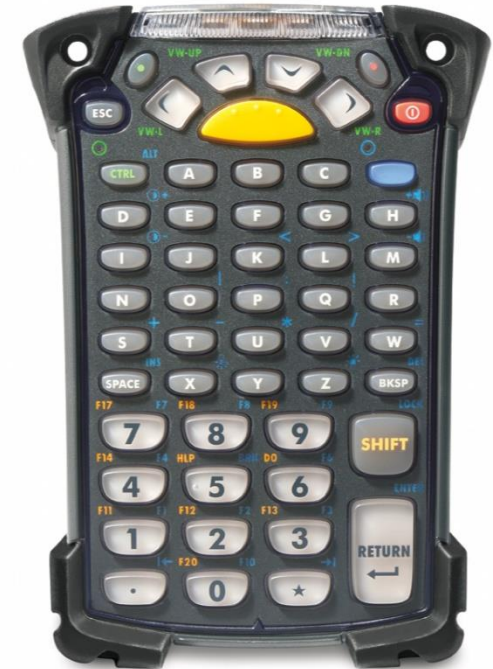
Spare keypad part number:  
**KYPD-MC9XMW000-01R**



### 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



CONFIGURATION OPTIONS:	MC92xx	OPTION	DESCRIPTION
<b>Radio Option</b>	MC92N0-xxxxxxNxxxxx	N	WLAN 802.11 a/b/g/n
<b>Form Factor</b>	MC92N0-GxxxxxxGxxxxx	G	Gun
<b>Data Capture options (Scanner)</b>	MC92N0-GAxxxxxxAxxxxx	A	SE965 1D Standard range laser
	MC92N0-GJxxxxxxJxxxxx	J	SE1524ER Lorax Long Range Laser
	MC92N0-G3xxxxxx3xxxxx	3	SE4500 Blockbuster Imager
	MC92N0-G5xxYxxxxx	5	SE4500 Blockbuster Imager with DPM (Only in Premium Model)
	MC92N0-G8xxYxxxxx	8	SE4500 Blockbuster DL Imager (Only in Premium Model)
	MC92N0-G9xxxxxx9xxxxx	9	SE4600 Long Range Imager
	MC92N0-GLxxxxxxLxxxxx	L	SE4750SR Imager
	MC92N0-GMxxxxxxMxxxxx	M	SE4750MR Imager
	MC92N0-GPxxxxxxPxxxxx	M	SE4850 Extended Range Imager
	<b>WAN Carrier options</b>	MC92N0-Gx0xxxxxx0xxxxx	0
<b>Display</b>	MC92N0-GxxSxxxxxxSxxxxx	S	Color 3.7" Diagonal (640 x 480 pixels) w/ Touch
<b>Memory options</b>	MC92N0-GxxxXxxxxxxXxxxxx	X	512 MB RAM / 2 GB Flash (Standard Model Config)
	MC92N0-GxxxYxxxxxxYxxxxx	Y	1GB RAM / 2 GB Flash (Premium Model Config)
<b>Product Feature: User Input/Keyboard</b>	MC92N0-GxxxxAxxxxxxAxxxxx	A	28 Key Numeric Keypad
	MC92N0-GxxxxExxxxxxExxxxx	E	53 Key Alpha-Numeric Keypad
	MC92N0-GxxxxFxxxxxxFxxxxx	F	43 Key Numeric Keypad
	MC92N0-GxxxxGxxxxxxGxxxxx	G	53 key VT Emulator Keypad
	MC92N0-GxxxxHxxxxxxHxxxxx	H	53 key 3270 Emulator Keypad
	MC92N0-GxxxxJxxxxxxJxxxxx	J	53 key 5250 Emulator Keypad
	MC92N0-GxxxxVxxxxxxVxxxxx	V	53 key High Visibility White Keys (Only in Premium Model)
	<b>Operating System Options</b>	MC92N0-GxxxxQxxxxxxQxxxxx	Q
MC92N0-GxxxxRxxxxxxRxxxxx		R	Windows Mobile 6.5 Without MS Office
MC92N0-GxxxxYxxxxxxYxxxxx		Y	Windows Compact Embedded 7.0
<b>Additional Features</b>	MC9290-GxxxxAxxxxxxAxxxxx	A	Android KitKat 4.4 • <i>Android configurations do not support the SE4600 engine</i>
	MC92N0-GxxxxxA5xxxA5xxxxx	A5	Audio, Voice and Bluetooth
	MC92N0-GxxxxxA6xxxA6xxxxx	A6	Audio, Voice, Bluetooth and IST (Only in Premium Model)
<b>Country or Custom Code</b>	MC92N0-GxxxxxC6xxxC6xxxxx	C6	Condensation Resistant with Audio, Voice, Bluetooth, IST (Only in Premium Model)
	MC92N0-GxxxxxxXXxxxxx	XX	<b>WR</b> = Worldwide ROHS; <b>IN</b> = India only

## MC9200 Configurations Available



### MC9200 Variants

#### Standard

**Memory:**

- 512MB RAM / 2GB Flash Memory

**Operating Systems:**

- Windows CE 7.0
- Windows Embedded Handheld 6.5.X

#### Premium

**Increased memory:**

- 1GB RAM / 2GB Flash Memory

**Operating Systems:**

- Windows CE 7.0
- Windows Embedded Handheld 6.5.x with Microsoft Office (Office removed on premium configurations built after July 1, 2016)
- Android Kit Kat 4.4

**Added features:**

- Integrated RFID tag (for asset management)
- 53 High Visibility Keypad

**Other Options:**

- DL scan engine, DPM scan engine, Condensation Resistant

## MC9200 Data Capture Methods

### Scan Engines

- MC92N0-GA** SE965 1D Standard Range laser
- MC92N0-GJ** SE1524ER Lorax Long Range 1D laser
- MC92N0-G3** SE4500 Blockbuster imager
- MC92N0-G5** SE4500 Blockbuster imager with DPM
- MC92N0-G8** SE4500 Blockbuster DL imager for driver license
- MC92N0-G9** SE4600 Long Range imager
- MC92N0-GL** SE4750 Megapixel Standard Range imager
- MC92N0-GM** SE4750 Megapixel Medium Range imager
- MC92N0-GP** SE4850 Extended Range imager



-G5, -G8, -GL and -GM available in Premium models only



**MC92N0-GA**  
SE965 1D  
Standard Range Laser



**MC92N0-GJ**  
SE1524 Lorax 1D  
Long Range Laser



**MC92N0-G3**  
**MC92N0-G5**  
**MC92N0-G8**  
SE4500 2D  
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:  
**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 field replaceable and 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 MC92N0-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

## Operating System Configurations

### Microsoft Windows Embedded Handheld 6.5.3 professional edition

- With Microsoft Office (only on premium configurations shipped prior to July 1, 2016)
- Without Microsoft Office

### Microsoft Windows Embedded Compact 7.0

### Android Kit Kat 4.4.0

Microsoft Windows Embedded Compact 7.0



Android Kit Kat 4.4





## MC9200 Additional Features



Audio



Voice



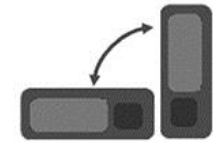
Bluetooth

### Additional Features

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



Condensation Resistant



Interactive Sensor Technology  
3-axis Accelerometer



A6 and C6 available in Premium models only

Microphone removed on units manufactured (MFD) after July 1, 2016. Voice support provided via cabled or Bluetooth headset.

# 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



**25-103872-02R**  
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

### 2600 mAh Battery



#### **BTRY-MC9X-26MA-01**

MC9090, MC9190, MC9200  
PowerPrecision Spare  
Lithium Ion battery, 2600 mAh

Pack of 10 spare batteries is also  
available:  
**(BTRY-MC9X-26MA-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

### 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

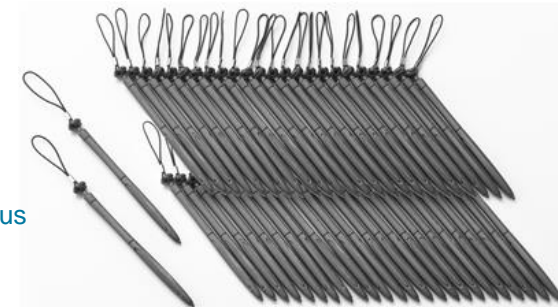
**KT-68144-10R** Replacement grey stylus - Pack of 10

**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 3<sup>rd</sup> Party accessories

These accessories are certified through the Independent Hardware Vendor (IHV) Program, for pricing and ordering inquiries contact the corresponding vendor directly.

### Bluetooth Headsets (for MC9200 only)

**B250XT+** VXi Corp Bluetooth Wireless Headset

**Expressway II** VXi Corp Bluetooth Wireless Headset

### Forklift Ballistic Holster

**Y6911DWSP** Agora Edge, 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