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# ZEBRA MC9300 Series Ultra Rugged Mobile Computer User Guide

## Contents

**ZEBRA MC9300 Series Ultra Rugged Mobile Computer**

## Product Usage Instructions

- The MC9300 offers various configuration options, including Wireless Option, RFID, Form Factor, Operating Temperature, Data Capture/Camera, Keyboard, Operating System, Memory Region, and Additional Features.
- CRD-MC93-2SUCHG-01 charges one device and one spare battery. Requires power supply PWR-BGA12V50W0WW and DC line cord CBL-DC-388A1-01.
- CRD-MC93-4SCHG-01 charges up to four devices. CRD-MC93-4SETH-01 provides Ethernet communication.
- USB communication with an additional USB-C cable. Requires power supply PWR-BGA12V50W0WW and country-specific AC line cord.
- Requires power supply PWR-BGA12V108W0WW and DC cord CBL-DC-381A1-01.

## MC9300 Configuration Guide

| CONFIGURATION OPTIONS: | MC9300 | OPTION | DESCRIPTION |
|---|---|---|---|
| Wireless Option | MC930X-XXXXXXXX | 0 | WLAN 802.11 a/b/g/n/ac MU-MIMO & BT 5.0 BLE |
| RFID | MC93XB-XXXXXXXX | B | None |
| | MC93XP-XXXXXXXX | P | HF RFID Radio with NFC |
| Form Factor | MC93XX-GXXXXXXX | G | Gun |
| Operating Temperature | MC93XX-XSXXXXXX | S | Standard |
| | MC93XX-XFXXXXXX | F | Freezer |
| Data Capture / Camera | MC93XX-XXAXXXXX | A | SE965 1D Laser |
| | MC93XX-XXBXXXXX | B | SE965 1D Laser + Front/Rear Camera |
| | MC93XX-XXCXXXXX | C | SE4750 2D Imager (EOL, replaced by SE4770) |
| | MC93XX-XXDXXXXX | D | SE4750 2D Imager + Front/Rear Camera (EOL, replaced by SE4770) |
| | MC93XX-XXHXXXXX | H | SE4770 2D Imager |
| | MC93XX-XXJXXXXX | J | SE4770 2D Imager + Front/Rear Camera |
| | MC93XX-XXEXXXXX | E | SE4850 2D imager |
| | MC93XX-XXFXXXXX | F | SE4850 2D imager + Front/Rear Camera |
| | MC93XX-XXGXXXXX | G | SE4750 DPM |
| | MC93XX-XXWXXXXX | W | SE4750 DPM Wide Angle |
| Keyboard | MC93XX-XXXAXXXX | A | 29 Key Function |
| | MC93XX-XXXBXXXX | B | 34 Key Function |
| | MC93XX-XXXCXXXX | C | 43 Key Function |
| | MC93XX-XXXDXXXX | D | 53 Key Standard Alpha Numeric |
| | MC93XX-XXXEXXXX | E | 53 Key VT Alpha Numeric |
| | MC93XX-XXXFXXXX | F | 53 Key 3270 Alpha Numeric |
| | MC93XX-XXXGXXXX | G | 53 Key 5250 Alpha Numeric |
| | MC93XX-XXXHXXXX | H | 58 Key Function Alpha Numeric |
| Operating System | MC93XX-XXXXAXXX | A | Android AOSP |
| | MC93XX-XXXXGXXX | G | Android GMS |
| Memory | MC93XX-XXXXX4XX | 4 | 4 GB RAM / 32 GB Flash |
| Region | MC93XX-XXXXXXNA | NA | North America (USA, Canada, Puerto Rico) |
| | MC93XX-XXXXXXRW | RW | Rest of World (Excluding North America, China, and India) |
| | MC93XX-XXXXXXCN | CN | China |
| | MC93XX-XXXXXXIN | IN | India |
| Additional Features | MC93XX-XXXXXXXX-NI | NI | Non-Incendive (Class I, Div II) |
| | MC93XX-XXXXXXXX-TA | TA | TAA Compliant (Trade Agreement Act) |
| | MC93XX-XXXXXXXX-TI | TI | TAA Compliant (Trade Agreement Act), Non-Incendive (Class I, Div II) |

**MC9300 CONFIGURATIONS AVAILABLE**



| SKU Category | Features |
|---|---|

| | |
|---|---|
| **Base** | **Platform**<br><br>Qualcomm Snapdragon 660 Octa-core, 2.2 GHz CPU, 4 GB RAM / 32 GB Flash<br><br>802.11a/b/g/n/ac WiFi, 2 x 2 MU-MIMO, Bluetooth 4.0<br><br>**Sensors:** Accelerometer, Gyroscope, Light Sensor<br><br>**Display**<br><br>4.3" WVGA (800×480) Color with Gorilla Glass touch panel |
| **Package 1** | **Includes everything in a base unit as well as:**<br><br>NFC Radio Vibration Feedback |
| **Package 2** | **Includes everything in a Package 1 unit as well as:**<br><br>Front and Rear color camera |
| **Freezer** | **Includes everything in a Package 1 unit as well as:**<br><br>Sensor-driven Heated scan exit window, Freezer rated 5,000 mAh Lithium Ion Battery<br><br>Condensation-Free operation -30°C/-22°F to 50°C/122°F<br><br>Fog-Free display with optically bonded Gorilla Glass touch panel, Blue stripe around display, and Blue labelled battery |
| **DPM** | **Includes everything in a Package 1 unit as well as:**<br><br>Standard or Wide Angle SE4750 DPM imager, Patented LED Light Diffusion Array |
| **Non-Incendive** | **Available in a variety of SKU categories, as well as:**<br><br>UL Class I/II/III, Div 2 certification<br><br>Orange stripe around display, Orange labelling on unit and battery |

## Accessories

**MC9300 Accessories Guide**

## Cradle options

Single slot cradle



**Single Slot Cradle w/Spare Battery Charger:**

- CRD-MC93-2SUCHG-01: Single slot USB cradle, with w/spare battery charger, charges one device and one spare battery. Allows USB communication to the device with an additional USB-C cable.
  Requires: Power supply PWR-BGA12V50W0WW, DC line cord CBL-DC-388A1-01 and country-specific 3-wire AC line cord.

**Main features**

- USB communication
- Fast-charge while using MC93 PP+ batteries
- Charges one device and one spare battery
- Compatible with Level V and Level VI power supplies
- NOT COMPATIBLE WITH MC92

**Additional accessories for a single-slot cradle**

CBL-TC2X-USBC-01 or CBL-TC5X-USBC2A-01 USB-C cable for single slot cradle and cable cup

**PWR-BGA12V50W0WW**

- Level VI AC/DC power supply (brick, replacement for PWRS-14000-148R)
- AC Input: 100- 240V, 2.4A
- DC Output: 12V, 4.16A, 50W
- Requires: DC line cord and country-specific grounded AC line cord.



**CBL-DC-388A1-01**

- DC line cord for running the single slot cradles or battery chargers from a single Level VI power supply PWR-BGA12V50W0WW, Level VI replacement for PWRS-14000-148R.



**23844-00-00R**

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

**Multi-slot ShareCradles**



**Multi-Slot Cradle options:**

- CRD-MC93-4SCHG-01: 4-slot charge-only cradle, charges up to four devices.
- CRD-MC93-4SETH-01: 4-slot Ethernet cradle, charges up to four devices, and provides Ethernet communication.
- All Cradles Require: Power supply PWR-BGA12V108W0WW, DC cord CBL-DC-381A1-01 and country specific 3 wire AC line cord.

**Main features**

- Charge only and Ethernet ShareCradle configurations
- Fast-charge while using MC93 PP+ batteries
- Charges 4 devices
- Compatible with Level V and Level VI power supplies
- Desk/Wall/Rack mount options
- NOT COMPATIBLE WITH MC92

**Additional accessories for multi-slot cradles**

**PWR-BGA12V108W0WW**

- Level VI AC/DC power supply (brick, Replacement for PWRS-14000-241R)
- AC Input: 100- 240V, 2.8A
- DC Output: 12V, 9A, 108W
- Requires: DC line cord and country-specific grounded AC line cord.

**CBL-DC-381A1-01**

- DC line cord for running multi-slot cradles from a single Level VI power supply PWR-BGA12V108W0WW, Level VI replacement for PWRS-14000-241R



**23844-00-00R**

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



**BRKT-SCRD-SMRK-01**

- Rack/Wall mounting bracket, allows to installation any multi-slot cradle on a wall or a 19" IT rack.



## Chargers and batteries

**Spare battery**



**BTRY-MC93-STN-01(Standard), BTRY-MC93-NI-01 (Non Incendive)**

- PowerPrecision+ Lithium Ion 7000 mAh battery provides advanced State of Charge and State of Health, supports fast-charge while using MC93 cradles and chargers.
- Pack of 10 batteries: BTRY-MC93-STN-10, BTRY-MC93-NI-10

**BTRY-MC93-FZ-01 (Freezer)**

- PowerPrecision+ Lithium Ion 5000 mAh Freezer rated (-30C) battery, provides advanced State of Charge and State of Health, supports fast-charge while using MC93 cradles and chargers.
- Pack of 10 batteries: BTRY-MC93-FZ-10

**Spare battery charger options:**



**Main features**

- 4-slot and 16-slot configurations
- Fast-charge while using MC93 PP+ batteries
- Compatible with Level V and Level VI power supplies
- Desk/Wall/Rack mount options
- NOT COMPATIBLE WITH MC92 BATTERIES

**SAC-MC93-4SCHG-01:**

- 4-slot battery charger, charges four spare batteries. Requires: Power supply PWR-BGA12V50W0WW, DC line cord CBL-DC-388A1-01and, country country-specific 3-wire AC line cord.

**SAC-MC93-16SCHG-01:**

- 16-slot battery charger, charges sixteen spare batteries. Requires: Power supply PWR-BGA12V108W0WW, DC cord CBL-DC-381A1-01, country country-specific 3-wire AC line cord.

**Accessories for battery chargers:**

**`PWR-BGA12V50W0WW**

- Level VI AC/DC power supply. AC Input: 100- 240V, 2.4A, DC Output: 12V, 4.16A, 50W Requires: DC line cord and country-specific grounded AC line cord.



**CBL-DC-388A1-01**

- DC line cord for running the single-slot cradles or battery chargers from a single Level VI power supply, PWR-BGA12V50W0WW.



**PWR-BGA12V108W0WW**

- Level VI AC/DC Power Supply. AC Input: 100- 240V, 2.8A, DC Output: 12V, 9A, 108W Requires: DC line cord and country-specific grounded AC line cord.



**CBL-DC-381A1-01**

- DC line cord for running multi-slot cradles from a single Level VI power supply, PWR-BGA12V108W0WW.



**23844-00-00R**

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

**BRKT-SCRD-SMRK-01**

- Rack/Wall mounting bracket allows to the installation of the 16-slot battery charger or up to four 4-slot battery chargers on a wall or a 19" IT rack.



## Spare Keypads

**Field replaceable spare keypads**



| 53 Key Standard | 53 Key TE 5250 | 53 Key TE 3270 | 53 Key TE VT |
|---|---|---|---|
| KYPD-MC9353ANR-01 | KYPD-MC93535250-01 | KYPD-MC93533270-01 | KYPD-MC9353VT-01 |
| KYPD-MC9353ANR-10 | KYPD-MC93535250-10 | KYPD-MC93533270-10 | KYPD-MC9353VT-10 |

| 43 Key Function | 34 Key Function | 58 Key Func AN | 29 Key Function |
|---|---|---|---|
| KYPD-MC9343FN-01 | KYPD-MC9334FNR-01 | KYPD-MC9358ANR-01 | KYPD-MC9329NMR-01 |
| KYPD-MC9343FN-10 | KYPD-MC9334FNR-10 | KYPD-MC9358ANR-10 | KYPD-MC9329NMR-10 |

**Other charge accessories**

**Backwards compatibility**

**ADP-MC93-CRDCUP-01**

Charge only adapter for backwards compatibility with MC9x cradles, the adapter can be installed on any MC9x single slot or multi-slot cradle (charge only or Ethernet) allowing to charge a MC93 device (the adapter does not provide USB or Ethernet communication and does not provide fast-charge).

**USB charge cable**

CBL-MC93-USBCHG-01: USB cable, provides fast-charge when an MC93 PP+ battery and a wall adapter is used, it also allows USB communication to the device when connected to a PC. Requires: CBL-TC2X-USBC-01 and Power supply PWR-WUA5V12W0US



**Additional accessories for the USB cable**

**PWR-WUA5V12W0US**

Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with US plug.
Other countries:

- Australia: PWR-WUA5V12W0AU
- Brazil: PWR-WUA5V12W0BR
- China: PWR-WUA5V12W0CN
- Europe: PWR-WUA5V12W0EU
- India: PWR-WUA5V12W0IN
- Korea: PWR-WUA5V12W0KR
- UK: PWR-WUA5V12W0GB

**Soft goods for gun configurations**

**Holster**

**SG-MC9X-SHLSTG-01**

- Fabric holster secures to a belt or a shoulder strap. Allows carrying the gun device on the hip or cross-body. Requires a belt of shoulder strap ordered separately.



**Shoulder strap 58-40000-007R**

- Universal shoulder strap for fabric holster.

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

- Universal belt for fabric holster.



**Protective boot**

**SG-MC93-RBTG-01**
Protective boot for gun configurations protects the device from wear and tear.



**Hand strap**

**SG-MC93-HDSTPG-01**
Spare hand strap for gun configurations (pkg 1)



**Other accessories**

## MNT-MC93-FLCHKT-01

Unpowered forklift mount. Allows installing the device on a roll bar or square surface of a forklift. Includes: Forklift holder (MNT-MC93-FLCH-01), RAM double socket arm for 1" ball (MNT-RAM-B201U) , RAM forklift clamp 2.5" max width square rail base with 1" ball (MNT-RAM-B247U25).

## BRKT-SCRD-SMRK-01

Rack/Wall mounting bracket, allows to install any Multi-slot ShareCradle, the 16-slot battery charger or up to four 4-slot battery chargers on a wall or a 19" server rack.



## Other accessories



**MISC-MC93-SCRN-01**
Tempered glass screen protector (Qty. 5)

**SG-TC7X-STYLUS-03**
Stylus with coiled tether (Qty. 3). Made of conductive carbon-filled plastic material, optimized for enterprise durability.

**HS3100-OTH**
HS3100 Rugged Bluetooth headset with over-the-head headband. Included HS3100 boom module and HSX100 OTH headband module.

**HS3100-BTN-L**
HS3100 Rugged Bluetooth headset with behind-the-neck headband (left). Included HS3100 boom module and HSX100 BTN-L headband module.

## Other accessories

## Country-specific AC grounded line cords

## Country specific AC grounded line cords

| Part Number | Description |
| --- | --- |
| 23844-00-00R | AC line cord, 7.5 feet long, grounded, three wire. Associated Country: US |
| 50-16000-217R | AC Line Cord, 1.9M, grounded, three wire, AS 3112 plug. Associated Country: Australia, New Guinea |
| 50-16000-218R | AC Line Cord, 1.8M, grounded, three wire, NEMA 1-15P plug. Associated Country: Japan |
| 50-16000-219R | AC Line Cord, 1.8M, three wire, grounded BS1363 plug. Associated Countries: Hong Kong, Iraq, Malaysia, Singapore, United Kingdom |
| 50-16000-220R | AC Line Cord, 1.8M, grounded, three wire CEE 7/7plug. Associated Countries: Europe, Abu Dhabi, Bolivia, Dubai, Egypt, Iran, Korea, Russia, Vietnam |
| 50-16000-256R | AC Line Cord, 1.8M, grounded, three wire, CEE7/7 plug. Associated Country: Korea |
| 50-16000-257R | AC Line Cord, 1.8M, grounded, three wire, IEC 60320 C13 plug. Associated Country: China |
| 50-16000-669R | AC Lind Cord, 1.9 M grounded, three wire, BS 546 Plug. Associated Country: India |
| 50-16000-671R | AC Line Cord, 1.8M grounded, CIE 23-16 plug. Associated Country: Italy |
| 50-16000-672R | AC Line Cord, 1.9M grounded, three wire, S132 Plug. Associated Country: Israel |
| 50-16000-727R | AC Line Cord, 1.9M grounded, three wire. Associated Country: Brazil |

## Country specific wall adapters

| Part Number | Description |
| --- | --- |
| PWR-WUA5V12W0AU | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with Australia plug |
| PWR-WUA5V12W0BR | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5 A with Brazil plug |
| PWR-WUA5V12W0CN | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with China plug |
| PWR-WUA5V12W0EU | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with Europe plug |
| PWR-WUA5V12W0GB | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with UK plug |
| PWR-WUA5V12W0IN | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with India plug |
| PWR-WUA5V12W0KR | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with Korea plug |
| PWR-WUA5V12W0US | Level VI power supply (wall adapter) 100-240 VAC, 5V, 2.5A with US plug |

## FAQ

- **Q:** What are the different configurations available for the MC9300?
- **A:** The MC9300 is available in various configurations, including base package, Package 1, Package 2, Freezer, and DPM Non-Incendive with different features and accessories.
- **Q**: How many devices can the Multi-Slot Cradle charge?
- **A:** The CRD-MC93-4SCHG-01 Multi-Slot Cradle can charge up to four devices simultaneously.

## Documents / Resources



**ZEBRA MC9300 Series Ultra Rugged Mobile Computer** [pdf] User Guide
C930X-XXXXXXXX, MC93XB-XXXXXXXX, MC93XP-XXXXXXXX, MC9300 Series Ultra Rugged Mobile Computer, MC9300 Series, Ultra Rugged Mobile Computer, Rugged Mobile Computer, Mobile Computer

## References

- **User Manual**