



# THE MC9200 MOBILE COMPUTER



THE **GOLD STANDARD** FOR MOBILITY IN DEMANDING ENVIRONMENTS

# WE TOOK THE WORLD'S LEADING MOBILE COMPUTER FOR DEMANDING ENVIRONMENTS AND MADE IT EVEN MORE POWERFUL...

## INTRODUCING THE MC9200

When it comes to mobility, Motorola's MC9000 Series rugged mobile computers are the industry's gold standard, long recognized as the best selling mobile computer for demanding environments. Every day, over two million workers use their MC9000 Series device to better manage inventory in retail stores, warehouses and manufacturing plants; keep track of baggage and freight out on airport tarmacs and help keep vehicles, weaponry and other assets on military bases in peak operating condition.

We took the best and made it better to bring you the next generation in the MC9000 Series, the MC9200. You get the same great form factor and the same great rugged design, with more of what you need most. More processing power. More memory. Faster wireless connections. Everything you need to support next-generation mobile applications with sophisticated and intuitive graphics interfaces that help employees work even faster and smarter.



**ENABLING THE NEXT GENERATION OF BUSINESS EFFICIENCY.**



# WHY SHOULD YOU CHOOSE THE MC9200 FOR YOUR BUSINESS?

FAST  
RUGGED  
SECURE  
VOICE/DATA  
PUSH-TO-TALK  
BAR CODE SCANNING  
DEVICE MANAGEMENT  
HIGH SPEED WIRELESS  
DEVICE TRACKING  
WORLD-CLASS SUPPORT

## YOU GET THE SAME GREAT PROVEN, EXCEPTIONALLY RUGGED DESIGN

With over two million sold, no other rugged mobile computer offers the same level of unsurpassed proven reliability. The MC9200 boasts the same unrivaled rugged feature set as its predecessor, the MC9190-G, offering:

### A DURABLE SHOCK-RESISTANT HOUSING

The integrated one-piece gun handle is part of the housing, greatly increasing durability over snap-on handles. A Torque Cell design replaces the traditional clamshell construction — the two halves of the housing slide together and are connected with a series of 28 hooks and locks instead of a handful of plastic 'flanges' (known as bosses) and screws. The force of a drop is no longer concentrated on the bosses, instead dispersed throughout the 28 connection points, eliminating twisting and flexing in any one spot.

### A DURABLE BATTERY DESIGN

A flat corrosion-proof battery connector replaces traditional pin-style connectors, where a single broken pin prevents operation. And since the connector is part of the battery instead of part of the device, you get a new connector every time you replace the battery.

### READY FOR THE COLD

Use the MC9200 to streamline your cold chain operations. With a temperature rating of -4° F to 122° F/-20° C to 50° C; an IP64 sealing rating and an internal replaceable desiccant pack\* that prevents condensation from forming inside the device, the MC9200 is ready for your refrigerators and temperature controlled loading dock.

### PROTECTION FOR SENSITIVE ELECTRONICS

Our innovative tuned external rubber bumpers are constructed of materials that significantly reduce the effects of shock during a drop. Sensitive electronics moved less than 6/1000ths of an inch in tests, approximately 40 times less than the ¼ inch movement common in clamshell housings. In addition, the circuit board is not attached to the housing with screws. Instead, it is held in place with floating rubber-wrapped magnesium frames. Since the entire electronic assembly "floats" inside the housing, it doesn't bend when the unit is dropped.

### RELIABLE SEALING

Since we utilize insert molding fabrication, parts can be added during the molding of the plastic housing, improving the quality and the reliability of the environmental sealing.





**EVERY DAY,  
2,000,000+  
WORKERS ARE MORE  
PRODUCTIVE, THANKS  
TO THEIR MC9000  
SERIES MOBILE COMPUTER.**



**THE WORLD'S MOST PROVEN  
AND MOST USED RUGGED  
MOBILE COMPUTER.**



### **A DURABLE TOUCHSCREEN DESIGN**

Our polycarbonate display is rated to a 4H hardness factor instead of the typical 3H for most touchscreens, making it more resistant to wear and tear. And an air gap between the touchscreen and the display further protects the display.

### **ULTRA STRONG SCANNER EXIT WINDOW**

Incredibly tough Corning® Gorilla® glass is virtually scratch and shatter proof, protecting one of the most business-critical features of the MC9200 — bar code scanning.

### **THE HIGHEST ENDURANCE SPECIFICATION IN THIS CLASS**

The MC9200 continues to operate reliably, even after 2,000 tumbles — the equivalent of 4,000 3.28 ft./1 m hits — the highest rating in this class.

### **THE INDUSTRY'S TOUGHEST DROP TEST**

All drop tests are not created equally. To ensure that the MC9200 can handle a drop, we surpassed the 6 ft./1.8 m military MIL-STD 801G 516.5 specifications. During the drop test, the unit must be:

- Powered on, instead of off
- Dropped to concrete instead of plywood over concrete
- Dropped across the entire operating temperature range instead of room temperature
- Must not lose power, data or a network connection, or reboot during a fall, instead of simply powering up after the test is complete



## FLAWLESS ORDER FULFILLMENT

WITH THE MC9200, MY WAREHOUSE CAN FULFILL MORE ORDERS PER DAY — FLAWLESSLY.

### YOU'RE READY FOR NEXT GENERATION MOBILE APPLICATIONS — TODAY.

With its dual core 1GHz OMAP 4 processor, up to 1GB RAM/2GB Flash memory plus a user-accessible SD card slot that can add up to 32GB of memory, the MC9200 provides the power to run virtually any application — from today's elegant and intuitive graphics-based applications to simpler terminal emulation applications.

### YOUR DATA IS PROTECTED WITH GOVERNMENT-GRADE SECURITY.

The MC9200 brings government-grade security to the enterprise. The native FIPS 140-2 Level 1 validation meets the security requirements of some of the most demanding federal government agencies, providing the equivalent of wired-line security for data that is stored on the device, as well as data traveling over the wireless LAN. You can add extra layers of security for extremely sensitive data with Motorola's Mobile Security Suite — such as a device-level firewall,

device-level intrusion prevention, device-level enforced authentication and a certified Virtual Private Network. And with our remote device management solutions, IT can simply press a button to deploy additional layers of security — or lock and wipe a lost device. And unlike many other mobile devices, our security features don't impact device performance.

### YOUR WORKERS GET SINGLE DEVICE SIMPLICITY FOR VOICE AND DATA.

It couldn't be any easier to add push-to-talk (PTT) voice communications to the MC9200. Since the complimentary Push-to-Talk Express client software is already installed, the MC9200 is ready for PTT calls to any other Motorola Push-to-Talk-enabled devices, right out of the box. With Radio Link Server, workers can even talk to two-way radio users — despite the fact that the devices operate on two completely different networks. Now, workers can carry a single device, yet reach individuals or an entire team to help resolve issues, right on the spot.

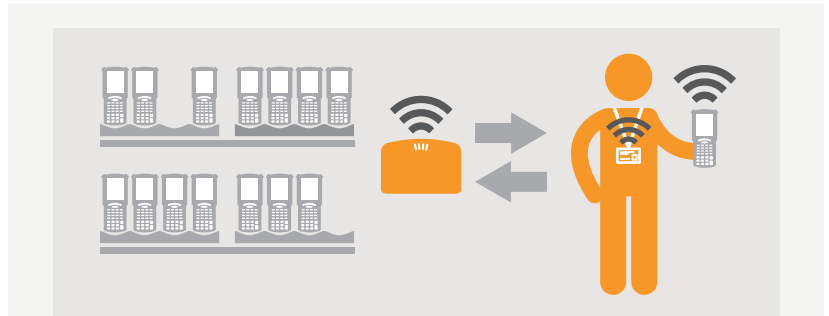


## YOU GET A DEVICE WITH THE INTELLIGENCE TO MANAGE ITSELF.

Motorola's Interactive Sensor Technology gives your MC9200 mobile computers the brainpower to preserve battery power. When the MC9200 is placed face down or remains idle for a period of time you define — such as two minutes — it can automatically enter power saving mode. When workers pick up the device to resume work, it returns to the last known state, allowing workers to pick up right where they left off. And each time a free fall occurs, you can trigger a potential man-down alarm, improving employee safety. The event is also automatically logged in the history file, improving device troubleshooting and worker accountability.

## GIVE YOUR WORKERS WIRELESS CONNECTIONS THAT RIVAL WIRED NETWORK PERFORMANCE.

With 802.11n bandwidth and a new antenna that helps create highly efficient wireless connections, your workers will experience wireless voice and data that is equivalent to a wired phone and desktop computer. And our wireless technologies also help minimize wireless traffic, helping preserve processing power and extend battery cycle times.



## YOU CAN TRACK YOUR MC9200 DEVICES — EFFORTLESSLY.

With the MC9200, you can automatically track which employee has which device to improve accountability. A fixed RFID reader can automatically read the RFID tag embedded in the MC9200 as well as a worker's RFID-enabled identity badge every time employees enter and exit the device check-in/check-out area. The result is improved accountability for device care during a shift and for the return of devices at the end of a shift, improving management and utilization. If you have a fixed reader and antenna at exit points in your facility, any device that passes the RFID reader can trigger an alert to help prevent device theft.

## FLAWLESS FREIGHT MANAGEMENT

WITH THE MC9200,  
CONTAINERS ARRIVE  
AT THEIR DESTINATION  
— EVEN FASTER.



Hapag-Lloyd

HLXU 674 997 6  
45R1

Hapag-Lloyd

MAX. GROSS	34,000 kg	74,960 lbs
TARE	4,550 kg	10,030 lbs
MAX. PAYLOAD	29,450 kg	64,930 lbs

## BOOST PRODUCTIVITY WITH INDUSTRY-LEADING DATA CAPTURE TECHNOLOGY — AND FIRST-TIME EVERY-TIME CAPTURE OF VIRTUALLY ANY BAR CODE.

The MC9200 offers the most scanning flexibility in its class — six different scanning options let you tailor the MC9200 to capture whatever types of data you need, as quickly and as accurately as possible.

### 1D LASERS

For businesses that utilize 1D bar codes, two laser options deliver first-time every-time bar code capture, even if bar codes are scratched, dirty or poorly printed.

#### SE965 1D Laser

Patented Adaptive Scanning technology delivers a best-in-class scanning range — from near contact to as far as 15 ft./4.5 m. The patented Liquid Polymer scan engine is frictionless and won't wear out. And the patented die cast chassis offers the industry's best rating for durability, offering dependable operation, even after a 2,000G shock.

#### SE1524-ER Extended Range 1D Laser

This scan engine is ready to capture bar codes over an extraordinary range — from near contact to as far as 45 ft./13.71 m away. Fuzzy logic enables the accurate

capture of even the most challenging bar codes across the entire read range — including poorly printed or low contrast bar codes. Accurate aiming at any distance is no problem. The 650 nanometer laser diode generates a bright, highly visible scan line that is easy to see, even if an item is on the top shelf of a warehouse rack.

### 1D/2D IMAGERS

Four imager options that use Motorola's revolutionary imaging technology bring stunning laser-like performance to both 1D and 2D bar codes. Our imagers can capture challenging bar codes, such as those under shrinkwrap, as well as new types of data that can help you further streamline your business processes — such as documents, images and signatures. And omnidirectional scanning brings point-and-shoot simplicity to bar code capture — users never need to align scanner and bar code.

## FLAWLESS BAGGAGE MANAGEMENT

WITH THE MC9200,  
THE RIGHT BAGS ARE  
ALWAYS ON THE  
RIGHT PLANE, READY  
AND WAITING FOR  
PASSENGERS WHEN  
THEY ARRIVE.





### **SE4600 Extended Range Imager**

The dual focus technology in our groundbreaking long-range imager allows workers to capture 1D and 2D bar codes as close as 8 in./20.32 cm to as far as 30 ft./9.14 m away — without using special label stock. Codes are easily captured in any lighting — from bright sunlight to the dimmest warehouse aisle.

### **SE4500-SR Standard Range Imager**

This general purpose imager is designed for intensive scanning of medium to large bar codes. It offers patent-pending fast-pulse illumination and a fast sensor shutter speed that can capture 60 frames per minute, boosting worker productivity — there is no need to pause during scans.

### **SE4500-HD Imager**

This special purpose imager adds support for very high density bar codes to our SE4500-SR, enabling the easy capture of any direct part mark — including dot peen, laser etch, ink mark, chemical etch, inkjet mold, cast and thermal spray. The SE4500-HD is tailored for automotive and aerospace industries, where strict government safety regulations require manufacturers to track the whereabouts and history of every part.

### **SE4500-DL Imager**

This special purpose imager also builds on the SE4500-SR, adding support for the bar codes found on driver's licenses and other identification documents as well as medium to high density bar codes. The SE4500-DL is tailored for the tiny bar codes common in healthcare and electronics manufacturing as well as security screening at border crossings and security gates.

## **FLAWLESS INVENTORY MANAGEMENT**

**WITH THE MC9200,  
OUR SHOPPERS  
ALWAYS FIND THE  
ITEMS THEY WANT  
READY AND WAITING  
ON OUR SHELVES.**







## NO-FAULT SUPPORT PROGRAMS — EVERYTHING IS COVERED, PERIOD.

In order to keep your business on track, you need to keep your MC9200 mobile computers up and running, and in the hands of your workers. And with our industry leading support programs, you will. In the unlikely event your MC9200 mobile computers need service, with Service from the Start with Comprehensive Coverage, everything is covered — no questions asked. This support program covers everything from accidental damage to normal wear and tear. And we cover the device as well the accessories in the box, including the stylus, screen protector and hand strap. You can choose your turnaround time — from three-day to overnight advance replacement with a device that has been pre-loaded with your software and is ready to go, right out of the box. The result? The protection that ensures that this rugged device will deliver an unparalleled low total cost of ownership.

## TAKE EFFICIENCY AND ACCURACY TO THE NEXT LEVEL IN YOUR MOST DEMANDING ENVIRONMENTS WITH THE MC9200 — THE NEXT GENERATION IN THE WORLD'S LEADING RUGGED HANDHELD MOBILE COMPUTER SERIES.

For more information, please visit: [www.motorolasolutions.com/mc9200](http://www.motorolasolutions.com/mc9200)

## TWO MODELS TO MEET YOUR NEEDS: PREMIUM AND STANDARD

Premium and Standard models let you pick the right device for different applications:

### MC9200 PREMIUM:

This top-of-the-line model offers advanced features, including extra memory for the most graphics intensive applications; an integrated RFID tag for customers who have or are planning to deploy RFID; plus Integrated Sensor Technology (IST) to protect battery cycle times — especially important for demanding applications.

### MC9200 STANDARD:

The MC9200 provides a cost effective alternative that offers 802.11n wireless speeds and the rugged design that has made this product line the world's top-selling rugged handheld mobile computer — without the advanced features.



# THE MC9200

**FLAWLESS ORDER FULFILLMENT**

**FLAWLESS FREIGHT MANAGEMENT**

**FLAWLESS INVENTORY MANAGEMENT**

**FLAWLESS BAGGAGE MANAGEMENT**

**...WHEN ONLY FLAWLESS WILL DO.**





## ABOUT MOTOROLA SOLUTIONS END-TO-END MOBILITY SOLUTIONS FOR DEPLOYMENT SIMPLICITY AND SUCCESS

Every day, organizations of all sizes all over the world count on our Enterprise Mobility Solutions to maximize personnel effectiveness, improve services, and increase revenue potential. When you choose Motorola for your mobility solution, you get the peace of mind that comes with choosing an industry leader as your technology partner. We offer the proven expertise and technology you need to achieve maximum value and a fast return on investment — as well as first hand experience in virtually every size organization in nearly every major industry. And our end-to-end solutions offer the simplicity of a single accountable source — regardless of the number of vendors involved.

Our comprehensive product offering includes: rugged and enterprise class mobile computers with extensive advanced data capture and wireless communications options; rugged two-way radios for always on voice communications; private wide area and local area wireless and outside the four walls — and to network multiple locations; comprehensive RFID infrastructure, including fixed, mobile and handheld RFID readers; a partner channel delivering best-in class applications; software solutions that enable centralized and remote management of every aspect of your mobility solution; and a complete range of pre-and post-deployment services to help get and keep your mobility solution up and running at peak performance every day of the year.



**THE MOTOROLA MC9200**  
BROCHURE

\* The desiccant pack is only available on condensation resistant models.

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