

# SYMBOL MC9090-G

## WIRELESS MOBILE COMPUTER

**ISIS**  
integration

### Empower mobile workers inside the four walls with integrated multi-mode wireless LAN/PAN

Building on the success of the MC9000 family, the MC9090-G rugged mobile computer from Motorola provides mobile workers throughout the supply chain with a flexible always-on data connection to critical business applications and systems as well as to co-workers and other business associates. Equipped with the latest advances in mobile technology, the MC9090-G provides support for the richest enterprise applications, empowering mobile workers to capture and access critical business information in real time.

The industry-leading construction is designed to withstand rigorous use in extreme environments and a wide variety of working conditions, providing the flexibility to be used on the manufacturing floor, in the warehouse, on the loading dock, and out in the yard as well as in the back room or out on the sales floor of a retail operation. A seamless connection to any wireless LAN anywhere in the world provides a common global platform for your supply chain — and your applications. Support for wireless printing, wireless headsets and more via wireless PAN simplifies everyday use for end-users, while the ergonomic pistol-grip design provides comfort in scan intensive applications, such as shelf price audits and inventory management. Streamline your business operations, reduce errors, and increase your productivity and profitability with the power of the MC9090-G.

### The power to meet your enterprise application requirements

Whether your application is simple or complex, the MC9090-G delivers performance you can count on. The MC9090-G offers the latest Intel processor designed to handle the specific demands of mobility, as well as robust persistent storage capabilities and multiple advanced data capture options. A choice of the two most robust Microsoft operating systems — Windows Mobile 5.0 or Windows CE 5.0 — gives you the flexibility to select either a familiar feature rich environment or a robust customizable application-specific environment. The ability to capture images and bar codes from as close as four inches to as far as 40 feet, enables enterprises to deploy a single device in many business areas. Workers can count on ample battery life for a full shift through superior power management. And modular keypads, a rugged touch panel and a display that is easy to read inside and outside provide users with maximum ease-of use and



#### FEATURES

Integrated 802.11 a/b/g WLAN radios

Exceptionally rugged construction: passes industry's most stringent drop and tumble tests; IP64 sealing rating; integrated internal antennas

Common Motorola mobile device platform

Forward scanning, pistol grip ergonomics

Intel XScale PXA270 processor: 624 MHz; enhanced memory architecture for persistent storage

Windows Mobile 5.0 or Windows CE 5.0

1D Standard-range scan engine; 1D Extended-range scan engine; omni-directional imaging engine; DPM engine

WPAN: Bluetooth v1.2

Large 3.8 in. display for exceptional clarity and contrast

#### BENEFITS

Flexible always-on connection maximises productivity; compatible with any WLAN

Flexibility to use in nearly any environment; dramatically reduces repair and downtime costs; delivers enterprise performance and ROI

Maximises the value of your applications — and software development investment

Reduces user fatigue in scan intensive applications

Supports simple to complex multimedia applications

Most advanced mobile operating systems available; provides choice of familiar Windows environment or robust application specific environment

Ability to select from 1D, 2D, DPM and image capture capabilities delivers maximum application flexibility; provides real-time data capture and access to business information to enable process automation, error-proofing, and track and trace capabilities

Wirelessly synchronise, print, and connect to a headset

Easy to read in a variety of lighting conditions

## Rugged construction and maximum manageability deliver a low TCO

The MC9090-G delivers outstanding investment protection and a low total cost of ownership through superior design, construction, manageability and support services. Adding Motorola's Mobility Services Platform (MSP) enables you to quickly and easily provision, track and support all your MC9090-G devices from a central location, delivering an unprecedented level of simplicity and low cost to management of mobile devices. And Motorola offers a full suite of services, from deployment assistance to comprehensive support plans that include repair of everyday wear and tear.

## MC9090-G Specifications

### Physical and Environmental Characteristics

Dimensions:	23.1cm L x 9.1cm W x 19.3cm H
Weight:	709g
Keyboard:	28, 43- and 53- key Terminal emulation (5250, 3270, VT)
Display:	
Embedded CE models:	3.8 in. QVGA mono or colour
Windows Mobile models:	3.8 in. QVGA color only
Power:	Removable, rechargeable 7.2 volt lithium ion 2200 mAh battery pack, 15.8 watt hours

### Performance Characteristics

CPU:	Intel XScale Bulverde PXA270 processor at 624 MHz
Operating System:	Microsoft Windows CE 5.0 or Microsoft Windows Mobile 5.0 Premium Edition
Memory (RAM/ROM):	CE: 64/64 MB Windows Mobile: 64/128 MB
Expansion:	SD/MMC Card
Application Development:	PSDK, DCP and SMDK available through Motorola Support Central Web site
Data Capture Options:	1D standard range scan engine; 1D extended range scan engine; Omni-directional imaging engine reads 1D and 2D symbols omni-directionally, and captures images and signatures; DPM engine reads a wide variety of DPM marks including data matrix marks applied by dot peening, laser etching, molding, stamping or casting methods to multiple substrates such as metal, plastic or glass

### User Environment

Operating Temperature:	-20° to 50 °C
Charging Temperature:	0° to 40 °C
Storage Temperature:	-40° to 70 °C
Humidity:	5% to 95% non condensing
Drop Spec:	Multiple drops to concrete: 1.8m across the operating temperature range
Tumble:	2,000 one-meter tumbles at room temperature (4,000 hits)
Environmental Sealing:	IP64 (electronic enclosure, display and keypad)
Electrostatic Discharge ESD:	+/-15kVdc air discharge; +/-8kVdc direct discharge; +/-8kVdc indirect discharge

### Wireless Data Communications

WLAN:	802.11 a/b/g
Output Power:	100 mW
Data Rate:	802.11a upto 54 Mbps; 802.11b up to 11 Mbps; 802.11g up to 54 Mbps
Antenna:	Internal
Frequency Range:	All country dependent: 802.11a - 5 GHz; 802.11b - 2.4 GHz; 802.11g - 2.4 GHz
PAN (Bluetooth):	Bluetooth Version 1.2 with BTExplorer (manager) included

### Peripherals and Accessories

Cradles:	Single-slot serial/USB, 4-slot Ethernet, 4-slot charge only
Printers:	Supports extensive line of Motorola-approved printers, cables and accessories
Charger:	4-Slot universal battery charger
Other Accessories:	Cable adapter module; snap-on magnetic stripe reader; modem module; full set of holsters; full set of cables

### Regulatory

Electrical Safety:	Certified to UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC 60950-1
EMI/RFI Radio Version:	FFC Part2(SAR), FCC Part15, RSS210; EN 300 328 & EN 301 487, EN55022, EN55024 IEC Class2/FDA Class II in accordance with IEC60825-1/EN60825-1
Laser Safety:	

*Specifications are subject to change  
without notice.*

## Contact Details

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