MC9097

Converged voice and data capabilities, combined with multi-mode wireless and advanced data capture options
Flexible, reliable connection maximizes mobile worker productivity, response times, and customer service levels

WWAN: Nextel Nationwide Walkie-Talkie functionality
Instant, cost-effective, push-to-talk voice communications; broad geographic coverage; guaranteed message delivery; reliable network and more

Integrated on-board wireless WAN, LAN 802.11a/b/g and PAN connectivity
True anywhere anytime voice and data connectivity inside and outside your four walls for maximum efficiency gains

Maximize mobile workforce efficiency with integrated wireless WAN/LAN/PAN and Nextel Nationwide Walkie-Talkie

The MC9097 rugged mobile computer from Motorola provides your mobile workers with a flexible always-on voice and data connection to co-workers, clients, and associates, as well as critical business applications and systems — all on a single device. High performance processing combines with advanced mobility features and functionality to support the richest applications. Superior sound quality and the onboard iDEN radio deliver robust voice communications, complete with Nextel's Nationwide Walkie-Talkie functionality for instant, cost-effective voice connectivity. Assisted GPS supports location tracking applications, enabling more efficient routing as well as dynamic route changes. Seamless WLAN connectivity provides cost effective voice and data communications in the office, hot spots and more. The ability to use this single device for all voice and data communications inside and outside your four walls dramatically reduces costs, since the need to purchase and manage additional devices is eliminated. Combined with proven ruggedness in nearly any environment, the MC9097 offers everything you need to maximize the productivity of your field sales, service and delivery personnel — a true competitive advantage.

Next-generation enterprise application support

The MC9097 offers the robust functionality and flexibility you need to support innovative applications that maximize mobile worker productivity and deliver a high return on investment — from next-generation processing power to robust, persistent data storage. Multiple advanced data capture options enable the design of enterprise applications that collect and provide access to real-time information. Superior power management delivers longer battery life. Modular field-replaceable keypad options, touch/stylus input, and easy viewing in any lighting, indoors or outdoors, increase application design flexibility — and simplicity of operation for users.

Rugged construction and maximum manageability deliver a low TCO

By combining rugged design, manageability and the comprehensive functionality to support the applications of today and tomorrow, the MC9097 delivers outstanding investment protection and a low total cost of ownership (TCO). The superior rugged construction is designed to withstand rigorous use in extreme environments and a wide variety of working conditions. Adding Motorola's Mobility Services Platform (MSP) enables you to quickly and easily provision, track and support all your MC9097 devices, anywhere in the world, from

Superior ruggedness: passes industry's most stringent drop and tumble tests; IP64 sealing rating; integrated internal antennas
Built for year-round field/office use; withstands many drops, heat, cold, rain and more; dramatically reduces repair and downtime costs; delivers enterprise performance and ROI

Intel XScale PXA270 processor at 624 MHz and an enhanced memory architecture for persistent data storage
Supports simple to complex multi-media applications and data storage needs while protecting business-critical data

Windows Mobile 5.0 Phone Edition
Provides user interface with phone dialer and APIs for intuitive, converged voice and data applications

Omni-directional 1D and 2D bar code scanning, image capture, variable range scan engine for accurate bar code scanning and intuitive laser aiming
Enables automation and increases accuracy of business processes through real-time data capture and access to business information

a central location — delivering an unprecedented level of simplicity and low cost to management of mobile devices. And comprehensive maintenance and support services ensure maximum uptime and value for your investment.

For more information on the MC9097 and its full line of accessories, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: www.symbol.com/mc9097

MC9097 Series Specifications

Physical Characteristics

Dimensions:	MC9097-K: 9.0 in. L x 3.6 in. W x 2.2 in. D 228.6mm L x 91.4mm W x 55.8mm D MC9097-S: 7.9 in. L x 3.6 in. W x 2.2 in. D 200.7mm L x 91.4mm W x 55.8mm D
Weight:	20 to 23 oz./567g to 652kg (depending upon configuration)
Display:	3.8 in. QVGA color
Keypad Options:	MC9097-K: 28-, 43- and 53-key; MC9097-S: 28-, 38-Alpha or 38-Numeric; 53-key terminal emulation (5250, 3270, VT on MC9090-K)
Power:	Removable, rechargeable Li Ion battery pack MC9097-K: 7.2V 2200 mAh; MC9097-S: 7.2V 1550 mAh

Performance Characteristics

CPU:	64MB RAM/128MB Flash
Operating System:	Microsoft® Windows Mobile™ 5.0 Phone Edition
Memory:	2.4 to 2.5GHz
Expansion:	SD/MMC card
Application Development:	SDK available through Motorola Support Central Web site
Audio Modes:	Wired headset; speakerphone; Bluetooth headset

User Environment

Operating Temp:	-4°F to 122° F/-20°C to 50° C
Storage Temp:	-40° F to 158° F/-40° C to 70° C
Charging Temp:	32° F to 104° F/0° C to 40° C
Humidity:	5% to 95% non-condensing
Drop Specification:	Multiple drops to concrete (6 ft. drops, 6 drops on 6 sides across the operating temperature range
Tumble Specification:	2,000 one-meter tumbles at room temperature (4,000 hits)
Environmental Sealing:	IP64
Electrostatic Discharge (ESD):	+/-15kVdc air discharge, +/-8kVdc direct discharge +/-8kVdc indirect discharge

Wireless LAN Data and Voice Communications

WLAN:	Tri-mode IEEE® 802.11a/b/g; note: 802.11a not available in Thailand.
Frequency Range:	802.11a - 5 GHz; 802.11b - 2.4 GHz; 802.11g - 2.4 GHz — all country dependent)
Output Power:	100 mW U.S.
Data Rates Supported:	802.11a — up to 54 Mbps; 802.11b — up to 11 Mbps; 802.11g — up to 54 Mbps
Antenna:	Internal
GPS-Enabled:	12 channel assisted GPS (aGPS)

Wireless PAN Data and Voice Communications

WPAN:	Bluetooth v1.2 with BTExplorer (manager) included
Antenna:	Internals

Peripherals

Cradles:	Single-slot and 4-slot cradles available
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 and modem module; full set of holsters

Regulatory

Electrical Safety:	Certified to UL60950, CSA C22.2 No. 60950, EN60950/IEC 950
EMI/RFI Radio Versions:	North America: FCC Part 2 (SAR), FCC Part 15 RSS210 Class B, EN 301 489-1, 489-17, FCC Part 90
Laser Safety:	IEC Class2/FDA Class II in accordance with IEC60825-1/EN60825-1

For information on use in specific countries, consult your local Motorola representative.

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Designed for **Windows Mobile™**

MOTOROLA