MC9090-G RFID

Handheld RFID Readers

FEATURES

**Supports EPC
Generation 1and 2**
Allows easy Integratlon of
RFID as part01 your supply
chain processes

**Exceptionally rugged
construction :passes
industry's most stringent
drop and tumble tests;IP64
sealing rating;integrated
internal antennas**
Flexlbihty to use In early any
envoronment;dramatically
reduces repaor and downtome
costs; delovers enterprse
perlormance and ROI

**Supports 1D and 2D
bar code scanning RFID
and imaging**
Mull .modal s rtgle devlce
provldes superor applocallon
llexlbltyand cost-efficiences

Integrated 802.11 $a/b/g$
Enables real-t me data
commun cal ons; lechnology
d fferenhatlng features delover
superor wlfeless connect vty

Empower mobile workers with real-time comprehensive advanced data capture capabilities in a rugged handheld computer
Streamline your business operations reduce errors, and increase your productivity and profitability with the power of the MC9090-G RFID from Motorola The device provides mobile workers throughout the supply chain with complete data capture functionality and real-time connectivity to critical business applications. Workers can read RFID tags, and capture 1D and 2D bar codes as well as images. ensuring seamless integration throughout the enterprise –even when multiple types of product identification and tracking systems are deployed. Handheld on-the-spot RFID capabilities remove the dependency on fixed readers installed at typical choke points enabling efficient exception handling. pricing audits and changes stock picking and more.

The superior 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.An anywhere anytime wireless connection provides the real-time information needed to streamline business processes. increase productivity and enable more strategic decision-making. 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 .

The power to meet your enterprise application requirements
Equipped with the latest advances in mobile technology the MC9090-G RFID handheld provides support for the richest enterprise applications. Whether your application is simple or complex the MC9090-G RFID delivers performance you can count on —from the latest Intel processor designed for the specific demands of mobility. to robust persistent storage capabilities and multiple advanced data capture options. Windows Mobile 5.0 provides your workers with a familiar feature rich environment –and reduces training requirements.

The ability to read and encode RFID tags. capture images as well as scan bar codes enables enterpnses to deploy a single device in many business areas, eliminating the need and associated costs for multiple devices in multi-modal data capture environments.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 view inside and outside provides users with maximum readability. ease-of-use and comfort.

MC9090-G with RFID Specifications

Physical and Environmental Characteristics

Oimensions :	10.75 in. L x 4.7 in. W x 7.7 ₙ.H 27.3 cm L x 11.9 cm W x 19.5 cm H
Weight	35.4 oZ./1 kg (inₒudes battery ·scanner and radiol
Keyboard	28- 43- and 53-key; ₕrminal Emulation (5250 ·3270/T)
Oisplay:	3.8 in QVGA color
Power:	Removab|earechargeable 72VO |tLithlum |on 2200 mAh battery pacₖ , 15.8 watt hour

Performance Characteristics

CPU:	Intel@XSₒₐₑₘ Buₗverde PXA270 prₒₒessor at 624 MHz
Operating System:	Microsoft Windows Mobile 5.0 P'remium Edition
Memory (RAM/ROM):	64 MB/128 MB
Expansion:	SO/MMC card
Apphcation Oevelopment	PSDK ·OCP and SMOK avallable through Motorola Oeveloper Zone Web site
Bar Code Options	Omni-directₒₙal 10 and 2D imaging englne reads symbologies and captures grayscale images and signatures wth intutive laser aiming

User Environment

Opeₙting Temp.:	.4" F to 122° F/-20° C to 50. C
Charging Temp.:	32° F to 104° F/O. C 1040° C
Storage Temp.:	-40. F to 158. F/-40. C to 70° C
Humidity:	5% 1095% non-condensing
Orop Spec:	Multiple drops 10 concrete: 6 lt./18 m across the operating temperature range
Tumblₕₑ 。	2 000 one-meter tumbles alₒₐₒ₁ \ temperature (4 000 hits)
Environmental sealing:	IP64 (eleclronic endosure display and keypadl
Electroₙₐₜic Oischarge (ESD):	+1-15kVdc air discharge; +/-8kVdc direct discharge; +18kVdc indirect disₒharge

RFID

Standards supported:	EPC Gen 1 (Class 0 & Class 1) and Gen 2
Nominal read range:	0.2 ft. 10 10ₓ₁ . /609 cm to 304.8 cm
Nominal write range:	1 1. to 2 1. /30.5 cm to 師9cm
Fięd:	70-degree cone (approx.1 measured Irom nose 01 device
Anlenna:	Inlegrated linearly polarized
Frequency Range:	902-928 MHz
Output Power:	1W (4W EIRP)

Wireless Data Communications

WLAN:	802.11 a /b/g
Output Power Oala Rate:	1OOmWu.S. and international 802.11a: up to 54 Mbps; 802.11b: up to 11 Mbps; 802.11g: up to 54 Mbps
Anlenna	Inlernal
Frequency Range:	All country dependent : 802.11a - 5 G傀, 802.11b – 2.4 GHz; 802.11g –2.4 GHz
RAN(6|uetDOth Supportl	Bluetooth V區rsion 1.2 wth BTExplo斯 (managerlincluded

peripherals and Accessories

Cradles:	Singl slOl seriaVUSB4-s 101 Ethernet, 4-slot charge only
Prin槍的	Supports extensive line 01 Motorda . approved printers and ωbles
Charger:	牛Slot unversal battery charger
Other Accessories:	Cable adapter module; snap-on magnetic stripe 的ader; modem mOdule; lull set 01 cabl的

巨型且且且

General:	Approved for use in the United States and Canada only
Electrical Salety:	Certilied touL60950-1 CSA C22.2 No 6095()-1 IEC6095()-1
EMRFI Radio Versions:	FCC Part 2 (SARIFCC Part 15 RSS210
Laser Safety:	IEC Class2/FOA Class 11 in accordance wth IEC60825-1/EN60825-1

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The MC9090-G RFIO is warranted against delects in workrnanship and materials for a penod 01 one year (12 monthslfrom date 01 shipmerₕₑ provided the product remains unmodied and is operated under normal and proper conditions

Recommended Services

Customer SeNices: *SeNice* fromhe Sta門-Bronze with ComprehenSve Coverage

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NOTE. Thos ' "Ⅲ∐UCtis êivaₒₒₐ₌ In lhe UOl OO St₌DS.Cana₌aM So₌ulh Kₒᵢᵥₑ

NOTICE Rₒₜₒₘₑₙₐ f 1MprodUClmay l₌ₐₜ fe theuseof Motorₑ W₌ₑₐₒₒₐᵣy ₑₙₑ1S 純n₌/Ol Motorola pₚₕₒₜtary Inlormation) MOlorda will5e!!theseparts ₗₐnd prov᷈e this pₑₜₒₘₑt.ry informₓₕₑₜₐly ᵥₙₓₒₒₑₒₜₒₑₐₕₑ stomers *lor* 5el₌啊""(個Aj)pk; aₜ₌ in theUS ₜₐrall other ∽∝uₙₑ please cₐtact your Mₒ₌ · ₌account maₙgeror thelₑₐ雷Motorola Customer Sₚᵥₙₓₑ.cs(mₖₑ雷ₐₑ iny₌f area fo(funn₌ · 的.∝1S

沁皇企業有限公司

TEL:04-25368292
FAX:04-25360166

Large 38" display: except onal clarity and contrast
Easy 10 read in a variety 01 llgh!₁g condillons

Forward scanningpistol g"P ergonomlcs
Reduces user fallgue m bar code scanning and RFID tag readlng ₁ₜtenslve applications

Integrated directional antenna (70 degree forward-loo尾gl
Enables Isolatlor Ö1 deslfed tags

API (Application Programming Interfacel for Microsoft@ Windows@ CE.NET 42 and Windows Mobile2003
Famillabols simplify and reduce the time required 10 develop RFID-enabled apphca₁₁₀ns