



THE MOTOROLA WAREHOUSING MOBILE COMPUTING PORTFOLIO



THE MOTOROLA SOLUTIONS MOBILE WAREHOUSE PORTFOLIO

When you choose Motorola, you get the peace of mind that comes with choosing an industry leader with well-tested and well-proven solutions as your technology partner. Every day, Motorola's Mobile Warehouse Solutions help organizations of every size proactively respond to customer demand, increase supply chain efficiency and successfully compete in today's fast-paced environment.

A RUGGED DESIGN AND INDUSTRY LEADING ERGONOMICS

While our devices are built to handle the demands of your toughest warehouse environments, they are also built for user comfort. You get reliable operation, even if the devices are dropped on concrete or used in driving rain, snow, summer heat, extreme winter cold, an industrial freezer or dusty warehouse.

INDUSTRY-LEADING ERGONOMICS FROM OUR AWARD-WINNING INDUSTRIAL DESIGN TEAM

Our rugged devices never compromise on comfort. Every one of our devices is built with the user in mind, with features that make it easy for your workers to hold and use our devices, all day long — our devices are well balanced, easy to securely hold without fatiguing, with keys that are sized and placed for easy one-handed operation and the intelligence to automatically adjust display lighting and sound to match environmental conditions.*

ANYWHERE, ANYTIME CAPTURE OF VIRTUALLY ANY TYPE OF DATA

With the ability to capture 1D and 2D bar codes (including GS1), direct part marks (DPM), photos, videos, signatures, documents, even RFID, Motorola mobile computers can capture whatever type of data is in use in your environment today — and tomorrow.

MOTOROLA'S UNRIVALED BAR CODE SCANNING TECHNOLOGY

The warehouse can be a tough place for bar codes; they get dirty, scuffed and hard to read. As the inventor of the entire bar code industry, we offer high performance 'scan and go' simplicity, able to capture even damaged and poorly printed bar codes without aligning bar code and scanner window.

EASY CENTRALIZED REMOTE MANAGEMENT OF YOUR MOTOROLA AND NON-MOTOROLA MOBILE DEVICES AND THEIR PERIPHERALS

Get your devices up and running, update applications, monitor the health of all devices and troubleshoot and resolve device issues — all without ever touching your mobile devices.

INDUSTRY LEADING SERVICE PLANS THAT COVER EVERYTHING — PERIOD.

With our optional Service from the Start with Comprehensive Coverage support plan, you get a unique all-inclusive program that sets the standard for post-deployment support. Not only does it cover normal wear and tear, it also covers internal and external components damaged through accidental breakage, as well as accessories that are included in the box. The result? No more unforeseen repair expenses to unexpectedly hit your budget — or increase the total cost of ownership (TCO).

SECURITY YOU CAN COUNT ON

Our Mobile Security Suite allows you to add the same security features that protect your wired and wireless network to your mobile devices — from a firewall to intrusion prevention, enforced authentication, data encryption, mobile VPNs for government grade security and more.

EXTRAORDINARY CONTROL OVER THE MOBILE DEVICE FEATURE SET

With Motorola Solutions' AppCenter, you choose which device features your workers can access, preventing personal use of devices — and protecting worker productivity.

EASY AND COST-EFFECTIVE APPLICATION DEVELOPMENT AND DEPLOYMENT

Our vast partner ecosystem offers ready-to-go and custom best-in-class applications to streamline virtually any business process in your warehouse operations. In addition, with Motorola Solutions' RhoMobile Suite, you can create one version of an application that can run on any device in your warehouse — regardless of operating system or screen size. Applications look, feel and act the same on all devices and can take advantage of whatever feature set is on each device. The result is a pure application simplicity that dramatically reduces application development and management time and cost. And with our Terminal Emulation application, your users can access your mainframe applications right out of the box.

* Available ergonomic features vary by device and device type.

HANDHELD MOBILE COMPUTERS

MC9500-K



motorolasolutions.com/MC9500

MC2100



motorolasolutions.com/MC2100

MC3100-R



motorolasolutions.com/MC3100

MC3100-S



motorolasolutions.com/MC3100

GENERAL DESCRIPTION

Device Highlights

- | | | | |
|---|--|--|--|
| <ul style="list-style-type: none"> • Most rugged handheld • Most demanding applications • Supports voice and data • Cellular connectivity when outside WLAN range | <ul style="list-style-type: none"> • Rugged handheld • Supports voice and data • Lightweight and optimized for one-hand use • Value-priced | <ul style="list-style-type: none"> • Very rugged handheld • Adjustable rotating scanning head to improve user comfort and increase scanning flexibility • Supports voice and data | <ul style="list-style-type: none"> • Very rugged handheld • Straight shooter: light and small form factor • Supports voice and data |
|---|--|--|--|

APPLICATIONS

Picking	•	•	•	•
Receiving and put-away	•	•	•	•
Cross-docking	•	•	•	•
Shipping	•	•	•	•
Packing	•	•	•	•
Returns	•	•	•	•
Manager dashboard	•		•	•

USER AND APPLICATION CONSIDERATIONS

Weight	22 oz./623 gm	8.32 oz./236 gm	13.52 oz./384 gm	14.95 oz./424 gm
Display	3.7 in. VGA color touchscreen	2.8 in. QVGA, touchscreen option	3 in. color TFT touchscreen	3 in. color TFT touchscreen
Processor	806 MHz	624 MHz	624 MHz	624 MHz
Keypad	Alpha primary; numeric telephony, numeric calculator, alphanumeric	27-key numeric	28-key numeric; 38-key shifted alpha, 48-key alphanumeric	28-key numeric; 38-key shifted alpha, 48-key alphanumeric
Bar code scanning and data capture	1D, 2D, 3 MP color camera	1D, 2D	1D	1D, 2D, DPM
Cellular connectivity	Modular 3.5G Dual-WAN (GSM HSPA and CDMA EVDO Rev A)	No	No	No
Wi-Fi	802.11a/b/g	802.11b/g/n	802.11a/b/g	802.11a/b/g
Bluetooth	•	•	•	•
Voice support	Cellular and VoWLAN	VoWLAN	VoWLAN	VoWLAN
Extra security features	FIPS 140-2 certification		FIPS 140-2 certification	FIPS 140-2 certification
Other features	GPS; Integrated UHF tag for asset tracking		Integrated UHF tag for asset tracking	Integrated UHF tag for asset tracking

RUGGED DESIGN

Drop Tested	6 ft./1.8 m	4 ft./1.2 m	5 ft./1.5 m	5 ft./1.5 m
Tumble Tested	2000 3.28 ft./1 m tumbles (4,000 hits) at room temperature	500 1.64 ft./0.5 m tumbles (1,000 consecutive hits)	500 1.64 ft./0.5 m tumbles (1,000 consecutive hits)	500 1.64 ft./0.5 m tumbles (1,000 consecutive hits)
Sealing	IP67	IP54	IP54	IP54
Operating Temperature	-4° to 122° F/-20° to 50° C	14° F to 122° F/-10° to 50° C	-4° to 122° F/-20° to 50° C	-4° to 122° F/-20° to 50° C
Shock and Vibration	Yes	Vibration		

GUN-STYLE HANDHELD MOBILE COMPUTERS

MC9200



motorolasolutions.com/MC9200

MC9190-G



motorolasolutions.com/MC9190

MC3100-G



motorolasolutions.com/MC3100

MC9090-Z RFID



motorolasolutions.com/mc9090z

GENERAL DESCRIPTION

Device Highlights

- Very rugged handheld
- Gun-style ergonomics for scanning-intensive apps
- Supports voice and data
- Long range scanning options
- High-speed Wi-Fi — 802.11n
- Superior customization: six scan engine options and six interchangeable keypads
- Power to support next generation mobile applications

- Very rugged handheld
- Gun-style ergonomics for scanning-intensive apps
- Supports voice and data
- Long range scanning options
- Superior customization: six scan engine options and six interchangeable keypads

- Rugged handheld
- Gun-style ergonomics for scanning-intensive apps
- Supports voice and data

- Very rugged handheld
- Gun-style ergonomics for scanning-intensive apps
- Robust RFID locationing technology — unique combination of audible and visual cues enable easy pin-point location instead of general proximity
- Long range scanning options

APPLICATIONS

Picking	•	•	•	•
Receiving and put-away	•	•	•	•
Cross-docking	•	•	•	•
Shipping	•	•	•	•
Packing	•	•	•	•
Returns	•	•	•	•
Manager dashboard	•	•		

USER AND APPLICATION CONSIDERATIONS

Weight	27 oz./765 g	27 oz./765 g	18.34 oz./520 gm	35.4 oz./1 kg
Display	3.7 in. VGA color touchscreen	3.7 in. VGA color touchscreen	3 in. color TFT touchscreen	Touchscreen 3.7 in QVGA color
Processor	Dual core 1GHz	806 MHz	624 MHz	624 MHz
Keypad	Six interchangeable keypads: 28-, 43- and 53-key; Terminal Emulation (5250, 3270, VT)	Six interchangeable keypads: 28-, 43- and 53-key; Terminal Emulation (5250, 3270, VT)	28-key numeric; 38-key shifted alpha, 48-key alphanumeric	53-key; Terminal Emulation (5250, 3270, VT)
Bar code scanning and data capture	1D, 2D, DPM, long range scanning/imaging	1D, 2D, DPM, long range scanning/imaging	1D, 2D, DPM	1D extended range 1D, 2D, RFID, imaging
Cellular connectivity	No	No	No	No
Wi-Fi	802.11a/b/g/n	802.11a/b/g	802.11a/b/g	802.11a/b/g
Bluetooth	•	•	•	•
Voice support	VoWLAN	VoWLAN	VoWLAN	N/A
Extra security features	FIPS 140-2 certification	FIPS 140-2 certification	FIPS 140-2 certification	
Other features	Integrated UHF RFID tag for asset tracking	Integrated UHF tag for asset tracking	Integrated UHF tag for asset tracking	Robust pin-point item locationing technology

RUGGED DESIGN

Drop Tested	6 ft./1.8 m	6 ft./1.8 m	5 ft./1.5 m	6 ft./1.8 m
Tumble Tested	2,000 3.28 ft./1 m tumbles at room temp. (4,000 hits)	2,000 3.28 ft./1 m tumbles at room temp. (4,000 hits)	500 1.64 ft./0.5 m tumbles (1,000 consecutive hits)	2,000 1.64 ft./0.5 m tumbles (4,000 consecutive hits)
Sealing	IP64	IP64	IP54	IP64
Operating Temperature	-4° to 122° F/-20° to 50° C	-4° to 122° F/-20° to 50° C	-4° to 122° F/-20° to 50° C	-4° to 122° F /-20° to 50° C

ENTERPRISE TABLET

VEHICLE MOUNT MOBILE COMPUTERS

ET1

VC6090

VC70N0

VH10



motorolasolutions.com/ET1



motorolasolutions.com/VC6090



motorolasolutions.com/VC70N0



motorolasolutions.com/VH10

GENERAL DESCRIPTION

Device Highlights

- | | | | |
|--|--|--|---|
| <ul style="list-style-type: none"> • Truly enterprise-ready • Android tablet • As sleek and easy to use as popular consumer tablets, yet loaded with enterprise features that deliver durability, security, manageability, flexibility and more • Wi-Fi for anywhere on-premise connectivity | <ul style="list-style-type: none"> • Rugged fixed mount mobile computer • Small form factor for tight-spaced lift trucks and carts • Supports voice, data and bar code scanning via Motorola's corded or cordless scanner | <ul style="list-style-type: none"> • Ultra-rugged fixed mount mobile computer for material handling vehicles • Freezer-ready • Powerful processor to handle graphics-rich applications • Large 10 in. screen for easy viewing of information-rich applications • Supports voice, data and bar code scanning via Motorola's corded or cordless scanner | <ul style="list-style-type: none"> • Ultra-rugged fixed mount mobile computer for material handling vehicles • Freezer-ready • 8 in. half screen with integrated full alphanumeric keyboard; 12 direct Function keys for superior process automation • Supports voice, data and bar code scanning via Motorola's corded or cordless scanner |
|--|--|--|---|

APPLICATIONS

Picking		•	•	•
Receiving and put-away	•	•	•	•
Cross-docking		•	•	•
Shipping		•	•	•
Packing				
Returns	•		•	•
Manager dashboard	•			

USER AND APPLICATION CONSIDERATIONS

Weight	1.4 lbs./63 kg	4.85 lbs./2.2 kg	9.4 lbs./4.3 kg	8.1 lbs./3.66 kg
Display	Capacitive multi-touch 7 in. with Corning® Gorilla® Glass	6.5 in color VGA touchscreen	10.4 in. color XGA backlit touchscreen; 600 NITS	8 in. color; 800 x 480 touchscreen; superbright 640 NITS
Processor	Dual core 1 GHz each plus graphics accelerator	624 MHz	Dual Core 1GHz	800 MHz
Keypad	Virtual; Bluetooth	QWERTY 65-key	Three optional keyboards: Full 65-key QWERTY or AZERTY; 21-key side-mounted Numeric	Full 67 key QWERTY or AZERTY
Bar code scanning and data capture	1D, 2D, photos, video, signatures, documents	Bar code scanning via Motorola's cordless or corded scanners	Bar code scanning via Motorola's cordless or corded scanners	Bar code scanning via Motorola's cordless or corded scanners
Cellular connectivity	Yes	No	No	No
Wi-Fi	802.11a/b/g/n	802.11a/b/g	802.11a/b/g/n	802.11a/b/g/n
Bluetooth	•	•	•	•
Voice support	VoWLAN	Voice picking, VoWLAN	Voice picking, VoWLAN	VoWLAN

Extra security features

Other features	Swivel handstrap rotates 360° for easy portrait to landscape rotation		Temperature, motion and light sensors	Three heaters, temperature sensors, motion sensor, 30 programmable keys
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RUGGED DESIGN

Drop Tested	4 ft./1.2 m	N/A (mounted)	N/A (mounted)	N/A (mounted)
Tumble Tested	N/A	N/A (mounted)	N/A (mounted)	N/A (mounted)
Sealing	IP54	IP64	IP66	IP66
Operating Temperature	32° to 122° F / 0° to 50° C;	-4° to 140° F / -20° to 60° C	-22° to 122° F / -30° to 50° C	-22° to 122° F / -30° to 50° C
Shock and Vibration	•	Yes	Yes	Yes



TAILOR YOUR WEARABLE SOLUTION WITH A TINY AND LIGHTWEIGHT RING-STYLE SCANNER AND A RUGGED HEADSET FOR VOICE PICKING.

WEARABLE MOBILE COMPUTERS

WT41N0



motorolasolutions.com/WT41N0

WT41N0 VOW



motorolasolutions.com/WT41N0VOW

GENERAL DESCRIPTION

Device Highlights

- | | |
|---|---|
| <ul style="list-style-type: none"> • Rugged wearable • Hands-free design for maximum productivity in high-volume scanning environments • Hands-free text and voice-directed tasks • Compatible with corded and cordless wearable scanners | <ul style="list-style-type: none"> • Rugged wearable • Hands-free design for maximum productivity in high-volume scanning environments • Simple, affordable tool for voice-directed tasks • Compatible with corded and cordless wearable scanners |
|---|---|

APPLICATIONS

Picking	•	•
Receiving and put-away	•	•
Cross-docking	•	•
Shipping	•	•
Packing	•	•
Returns	•	•

Manager dashboard

USER AND APPLICATION CONSIDERATIONS

Weight	11.3 oz./320 gm	12.2 oz./346 gm
Display	Touchscreen 2.8 in. QVGA color	N/A
Processor	Dual core 1 GHz	Dual core 1 GHz
Keypad	23-key alphanumeric	N/A
Bar code scanning and data capture	Bar code scanning via Motorola's wearable cordless or corded scanners	Bar code scanning via Motorola's wearable cordless or corded scanners
Cellular connectivity	No	No
Wi-Fi	802.11a/b/g/n	802.11a/b/g/n
Bluetooth	•	•
Voice support	VoWLAN, voice picking via cordless or corded headset	VoWLAN, voice picking via corded or cordless headset

Extra security features

Other features	Comfortable hip or wrist mounting	Comfortable hip or wrist mounting
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RUGGED DESIGN

Drop Tested	4 ft./1.2 m	4 ft./1.2 m
Tumble Tested	500 1.64 ft./0.5 m tumbles (1,000 consecutive hits)	500 1.64 ft./0.5 m tumbles (1,000 consecutive hits)
Sealing	IP54	IP54
Operating Temperature	-4° to 122° F /-20° to 50° C; -22° to 122° F /-30° to 50° C* (* with optional freezer pouch)	-4° to 122° F /-20° to 50° C; -22° to 122° F /-30° to 50° C* (* with optional freezer pouch)

ACCESSORIES: WEARABLE SCANNERS AND HEADSET

RS419



motorolasolutions.com/RS419

RS507



motorolasolutions.com/RS507

RCH51



motorolasolutions.com/RCH51

GENERAL DESCRIPTION

Device Highlights

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> • Tiny hands-free corded ring imager for 1D and 2D bar codes • Worn on the finger (with or without gloves) | <ul style="list-style-type: none"> • Tiny hands-free Bluetooth wireless ring-style imager for 1D and 2D bar codes • Best-in-class scanning performance • Most rugged ring-style scanner • Two-finger design (can be worn with or without gloves) | <ul style="list-style-type: none"> • Rugged cabled headset for hands-free voice-directed applications • Lightweight and comfortable • Compatible with WT4XXX, WTXXX VOW, MC9500-K, MC3100 and other Motorola mobile computers |
|---|--|--|

USER AND APPLICATION CONSIDERATIONS

Weight	2.0 oz./56.7 gm	4.3 oz./121.4 gm	3.9 oz./111 gm
Bar code scanning and data capture	1D	1D, 2D	N/A
Corded or Cordless	Corded	Bluetooth cordless, Corded	Corded
Other features	Multiple field replaceable components	Multiple field replaceable components	Adjustable one-size-fits-all headband
Drop Tested	4 ft./1.2 m	6 ft./1.8 m	6 ft./1.8 m
Tumble Tested	None	None	500 1.64 ft./0.5 m tumbles (1,000 consecutive hits)
Sealing	IP54	IP54	IP67
Operating Temperature	-4° to 122° F/-20° to 50° C	-4° to 131° F/-20° to 55° C	-22° to 122° F/-30° to 50° C

RUGGED DESIGN

PORTFOLIO BROCHURE
WAREHOUSING

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