

# Symbol MC3000 & MC3090

MOBILE COMPUTERS

## Capture, move and manage data in real time for real business value

The MC3000 mobile computers from Symbol Technologies are rugged mobile computers ideal for scan-intensive environments that require high-quality data capture throughout the enterprise. Their superior ergonomic design and balance help to facilitate faster decision making and increased workforce satisfaction inside the retail store, on the loading dock or on a delivery route.

## Unprecedented flexibility, performance and power

A variety of feature options, including one-dimensional (1D) laser and 2D image scanning, color display, batch or wireless communications, a gun form factor, Bluetooth and audio capability, and three keypad options, allow you to meet your customer, employee and IT needs. Each MC3000 mobile computer is based on a high-performance mobile Intel XScale PXA270 processor supporting 64 MB of RAM, which helps you gain significant business value by ensuring maximum user productivity. The Microsoft Windows CE operating system offers familiar interfaces and the power of Web-based applications for greater usability and employee satisfaction.

## Reliable performance in variable conditions

The MC3000s' rugged design and IP54-rated sealing ensure continued use and uptime by protecting against dust, moisture and extreme temperatures. And, whether working inside or out, the MC3000s have a drop spec of four feet to concrete across a wide temperature range, reducing equipment and maintenance costs.

## Unlock the value of your information with Microsoft Windows CE

Bringing the next generation of mobile computing to your business, Symbol's MC3000s are built on the Windows CE operating system. With real-time processing, faster performance, rich multimedia and Web browsing capabilities, your enterprise can become truly mobile with interoperability between personal computers, servers, Web services and devices. Symbol's enterprise mobility solutions go beyond mobile devices and wireless connectivity to ensure that every aspect of your mobility solution works seamlessly and at maximum efficiency.

## Complete your solution with Symbol Global Services

Even the most rugged products require a maintenance plan and support strategy. That's why Symbol has designed comprehensive set of services that cover every aspect of the MC3000s—helping to ensure our customers derive full value from their investment.

For more information, visit us on the web at [www.symbol.com/mc3000](http://www.symbol.com/mc3000), or contact us at +1.800.722.6234 or +1.631.738.2400.



### FEATURES

- Light, ergonomic design
- Well-balanced gun form factor option
- Visual scanning feedback on the sides (gun only)
- Laser versions with adjustable rotating scan turret with left, right and front positions
- 320 x 320 resolution color/mono display (with backlight)
- Wireless 802.11b/g/a LAN connectivity
- Bluetooth option
- Rugged design
- IP54-rated sealing
- Intel XScale PXA270 processor and Microsoft Windows CE operating system
- Keyboard options include 28, 38 and 48 keys
- Device management with Mobility Services Platform (MSP)
- Service from the Start—Bronze, Silver, Gold (For initial product sales)

### BENEFITS

- Reduces user fatigue for higher productivity in scan-intensive applications
- Comfortable to use in intensive scan environments for prolonged periods
- Provides visual in addition to audio feedback without having to reorient the device
- User can adjust the scanning positions for maximum comfort and productivity
- 30% higher resolution than 1/4 VGA allows easy viewing in many environments for increased accuracy
- Provides real-time data exchange for maximum productivity
- Enables use of and wireless connection to a range of devices
- Withstands multiple 4-foot drops (1.2 m) to concrete and up to 500 tumbles
- Protects against water and dust for reliable performance in rough environmental conditions
- Delivers high-speed CPU performance through familiar interfaces with wide software application support
- Provides multiple data entry modes for maximum efficiency
- Enables real-time monitoring of critical mobile computer and wireless infrastructure parameters
- Provides a cost-efficient option that can be purchased upfront with the hardware or within 30 days thereafter

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The Enterprise Mobility Company™

# MC3000 specification highlights

## Physical Characteristics

Dimensions	Brick/Imager Configuration	7.43 in. L x 3.18 in. W x 1.76 in. D (188 mm x 80.8 mm x 44.7 mm) At grip: 2.40 in. W x 1.43 in. D (61 mm x 36.3 mm)
	Brick/Laser Configuration	8.33 in. L x 3.18 in. W x 1.57 in. D (211.6 mm x 80.8 mm x 39.9 mm) At grip: 2.40 in. W x 1.10 in. D (61 mm x 27.9 mm)
	Gun Configurations	193 L x 80.8 W x 166H mm
Weight	Brick/Laser Configuration	13.4 oz. (379 gm) (with WLAN)
	Brick/Imager Configuration	15.1 oz. (428 gm) (with WLAN)
	Gun Configurations	18.59 oz. (527 gm) (19.6 oz./555 gm with Bluetooth)

## Performance Characteristics

	Monochrome Display Configuration	Color Display Configuration
Display Resolution	320 x 320	320 x 320
Operating System	MC3070: Microsoft Windows CE 4.2 MC3090: Microsoft Windows CE 5.0 Core Version	MC3070: Microsoft Windows CE 4.2 MC3090: Microsoft Windows CE 5.0 Professional Version
Application Development	Symbol SDK	Symbol SDK
Environment	Microsoft Windows CE SDK	Microsoft Windows CE SDK
Processor	IntelXScale PXA270 @312MHz	IntelXScale PXA270 @520MHz
Memory FLASH/ RAM (MB)	64/32	64/64
Data Capture Options	1D Laser	1D Laser 2D CCD Imager
Secure Digital Slot	User accessible (located under battery) – approved for memory expansion only	
Communications	RS232, USB (Host and Client)	
Power	Brick/Laser Configuration	2,600 mAh @ 3.7Vdc
	Brick/Imager Configuration	4,400 mAh @ 3.7Vdc
	Gun Configurations	4,400 mAh @ 3.7Vdc

## Wireless Data Communications

WLAN	Symbol Spectrum24, 802.11a, 802.11b, 802.11g
Output Power	100 mW U.S. and international
Data Rate	802.11b: 11 MB per second 802.11g: 54 MB per second 802.11a: 54 MB per second
Antenna	Internal
Frequency Range	Country-dependent: typically 2.4 to 2.5 GHz for 802.11b/g and 5.15 to 5.825 GHz for 802.11a
Bluetooth	Theatre dependent
Voice over IP-ready (Class 2)	Optional (theatre dependent)

## User Environment

Operating Temperature	Monochrome: -4° to 122°F (-20° to 50°C) Color: 14° to 122°F (-10° to 50°C)
Storage Temperature	-22° to 160°F (-30° to 70°C)
Battery Charging Temperature	32° to -40°F (0° to -40°C)
Humidity	5% to 95% non-condensing
Drop	Multiple 4-foot (1.2-m) drops to concrete across operating temperature
Tumble	500 one-half meter tumbles at room temperature (1,000 drops)
Environmental	IP54 Category 2
Sealing	
ESD	+/-15KVDC air discharge +/-8KVDC direct discharge +/-8KVDC indirect discharge

## Peripherals and Accessories

Cradles	Single-slot USB/RS232 charging cradle with spare battery well Four-slot Ethernet charging cradle Four-slot Charge-only cradle
Chargers	Four-slot battery charger Adaptor for universal battery charger
Printers	Support Symbol approved printers
Other Accessories	Holsters, charging cables, magnetic strip reader
<b>Regulatory</b>	
Electrical Safety	Certified to UL60950, CSA C22.2No. 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
EMI/RFI: Batch Versions	EU: EN55022 Class B EN55024 Japan: CISPR 22, Class B Australia: AS3548 North America: FCC Part 15, ICES 003 Class B
Laser Safety	IEC Class 2/FDA Class II in accordance with IEC60825-1/EN60825-1

**EN410 CE**



## About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading companies. More information is available at [www.symbol.com](http://www.symbol.com)



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