



# CA50

## VoIP-enabled wireless bar code scanner



### FEATURES

#### Voice and data in a single device

Reduced capital and operational costs — fewer devices to purchase, carry and maintain

#### Walkie-talkie (1 to many) voice communications

Instant employee accessibility improves productivity and customer service; eliminates annoying pages and long response times

#### Voice calls (1-to-1)

Enables employees to place or receive a call anywhere in the enterprise; improved accessibility for customers and managers; ability to obtain needed information more rapidly

#### Handset, headset and speaker-phone modes

Ensures user comfort and appropriate voice modes for any business situation

#### 802.11a/b/g

Integrates seamlessly with any enterprise-class wireless LAN; provides investment protection

### Compact, cost-effective converged voice and data device for in-building task-workers delivers big business benefits

The CA50 enables enterprises to extend the benefits of integrated mobile voice and data to task and service-oriented workers inside your four walls — quickly, easily and cost-effectively. Small and light enough to wear on a lanyard or apron, or slip in a pocket, this cost-effective and useful device is the one device all your mobile associates should carry. The CA50 combines ease-of-use with the capabilities that retail associates, healthcare and hospitality workers and more need to increase productivity and availability, reduce errors and improve customer service and satisfaction — from mobile phone-style voice communications to wireless bar code scanning and data application support for information retrieval. The familiar and intuitive mobilephone-style user experience virtually eliminates the need for training — and built-in enterprise durability ensures that the device can withstand all day every day use on the retail floor, in hospitals, hotels and more.

### Voice capabilities for right-now accessibility

The CA50's voice capabilities greatly improve the accessibility of your workforce — mobile workers are never more than a phone call away. The CA50 delivers real voice value. One-to-one (voice calls) and

one-to-many (walkie-talkie style) calls over the wireless LAN provide cost-efficient voice communications. In addition, interoperability with select telephony systems enables the extension of desk phone numbers and functionality to the CA50. Workers can place direct calls to collaborate as needed or obtain information for 'on-the-spot' decisions. Since inbound customer calls can now be forwarded directly to the right employee in the right department, hold time is significantly reduced — decreasing call abandonment and improving customer service and satisfaction. Walkie-talkie style communications enable managers or mobile workers to broadcast information to any defined group of personnel — for example, a manager might broadcast information to all associates assigned to menswear, or a physician might broadcast to all nurses assigned to a specific floor in search of the closest nurse to assist with an urgent care situation. Customers are no longer subjected to annoying overhead pages and the inefficiencies associated with paging can be eliminated — customers and workers can quickly find the right person to respond.

### Data capabilities for improved service and efficiency

The CA50 opens a world of application possibilities that can help streamline and error proof processes. For example, in the retail store, associates can scan

**Wireless bar code scanning**

Enables productivity-enhancing applications and a significant reduction in errors

**Wireless messaging-capable**

Enables more rapid response to requests for assistance; enables better management of employees through wireless distribution of tasks and real-time acknowledgement of completion

**Intuitive and easy to use**

Virtually eliminates the need for training — and the associated costs

**Small and lightweight**

Pocketable and easy to carry or wear

**Mobility Services Platform (MSP) compatible**

Centralized management significantly reduces the complexity and costs typically associated with mobile devices

**Web-based server side applications**

Standard tools reduce the time and costs associated with application development

**Integration with telephony systems, WLAN and other business equipment**

Leverages investment in existing technology while enabling value-add capabilities

a bar code to instantly verify price and availability for a customer, and utilize the walkie-talkie voice functionality to request immediate delivery of the item to the register — effectively reducing the chance of a lost sale. In the dynamic environment of a hospital, requests for everything from patient transport and janitorial service to medical equipment maintenance can be quickly and easily sent to the right staff member — ensuring that tasks are promptly performed to keep operations running smoothly and efficiently. In a hospitality environment, guest requests and housekeeping assignments can be sent to the right worker, enabling hotels to ensure a prompt and timely response to service requests. And regardless of whether employees are refilling shelves with inventory, cleaning guest rooms or performing service on medical equipment, real-time task acknowledgement allows managers to promptly issue the next task to keep staff moving and efficient throughout the work day.

**Extend the value of your existing technology investments**

Integration with your telephone system and kiosks not only enables you to leverage and improve the return on investment (ROI) for existing equipment, but also offers real value-add capabilities. For example, receptionists no longer need to page employees to take a customer call. Instead, the call can be automatically routed to the right employee or group of employees for prompt service, improving the customer experience. In addition, through the use of telephony auto attendant features, switchboard staff can be redeployed to assist on the sales floor if needed, providing a built-in backup for busy times. And when a customer at self-help or self-checkout kiosk encounters difficulties, the simple press of a 'need assistance' button can trigger a page to the appropriate staff announcing where help is needed, enabling the closest employee to respond — and ensuring rapid service for your customers.

**Flexible deployment options to best fit your business requirements**

The CA50 can be deployed either as a personal or shared device. In environments where workers change shifts and days, enterprises can enable employees to select any available CA50 — and a simple log in will configure the device on the fly with the right profile for that associate.

**Easy to scale and manage**

When you invest in the CA50, you invest in technology that easily and cost-effectively scales as your business grows. Compatible with Motorola's Mobility Services Platform (MSP), the CA50 can take advantage of MSP's superior manageability — the same tools you use to centrally and wirelessly manage your Motorola WLAN infrastructure and mobile computers will also allow you to easily provision, track and support all your CA50 devices.

**Superior return on investment**

A unique combination of strategic and financial business benefits enables the cost-effective CA50 to deliver extraordinary business value. Improvements in productivity and customer service combine with rapid deployment, durability and ease of management to deliver a superior return on investment. To help you seamlessly integrate the CA50 into your environment, Motorola offers a full suite of services that span the entire solution lifecycle — from initial assessment, commissioning and rollout through ongoing training and support. Motorola Advanced Services help minimize potential integration issues and reduce implementation time, while Motorola Customer Services help ensure your device continues to operate at peak performance.

For more information about the Motorola CA50, please visit us on the web at [www.symbol.com/CA50](http://www.symbol.com/CA50), or access our global contact directory at [www.symbol.com/contact](http://www.symbol.com/contact)



# CA50 Specifications

## Physical Characteristics

Dimensions:	4.37 in. x 1.81 in. x 1.01 in. 11.10cm x 4.60cm x 2.57cm
Weight:	3.7 oz./105g
Display:	5-line monochrome display with LED back light
Notification:	Vibrator, LED flash, beep or WAV file
Audio:	Speaker, receiver, microphone and headset jack (2.5mm plug)
Battery:	920 mAh Li-ion

## Performance Characteristics

CPU:	Intel® XScale™ 312 MHz processor
Operating System:	Microsoft Windows CE 5.0
Memory:	64MB RAM/32MB Flash
Communication:	USB 1.1 client
Application Dev.:	Web-based server side applications

## User Environment

Operating Temp.:	+14° F to 104° F/-10° C to + 40° C
Storage Temp.:	-40° F to 158° C /-40° C to +70° C
Charging Temp.:	32° F to 95° F/0° C to + 35° C
Humidity:	5%-90%, non-condensing
Drop Specification:	4 ft./1.21m drop to concrete, 6 drops per 6 sides, at ambient temperature 73 ° F/23 degrees C 3 ft./0.9144m drop to concrete, 6 drops per 6 sides, over operating temperature range
Tumble Specification:	250 cycles @ 1.64/0.5m (500 drops)
Environmental Sealing:	IP40
Electrostatic Discharge (ESD):	+/- 8 kV air discharge and +/- 4 kV direct discharge

## Wireless LAN Data and Voice Communications

WLAN:	IEEE® 802.11a/b/g (Note 802.11a not available where prohibited or restricted)
Frequency Range:	All country dependent: 802.11a – 5GHz 802.11b – 2.4GHz 802.11g – 2.4GHz
Output Power:	100mW U.S. and international
Data Rates:	802.11a: up to 54 Mbps 802.11b: up to 11 Mbps 802.11g: up to 54Kbps
Antenna:	Internal
Voice Services:	Voice calls (1:1) Walkie-talkie style (1:Many)



VoIP Protocols:	H.323 SIP (future release) SCCP (future release)
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## Scanner

Engine:	SE950 1D scan engine
Symbologies:	1D Symbology: UPC/EAN, Code 128, UCC. EAN128, RSS, Code 39, Code 93, I 2 of 5, Discrete 2 of 5, Codabar, MSI

## Peripherals and Accessories

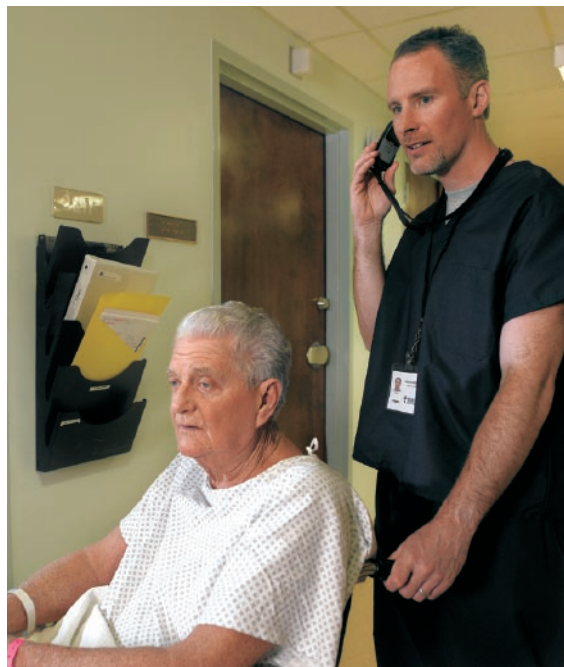
Terminal Charging:	8-slot terminal charger Single-slot terminal charger with spare battery charge slot
Spare Battery Charging:	8-slot battery charger
Attachments:	Lanyard snap on

## Regulatory

Electrical Safety:	UL 60950-1, C22.2 No. 60950-1, EN 60950-1, IEC 60950-1
Laser Safety:	EN 60825-1, IEC 60825-1, 21CFR1040.10
EMC:	EN 301 489-1, EN 301 489-17, IEC 60601-1-2, EN 55022, FCC Part 15 Class B, ICES 003 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3
Radio:	EN 300 328, EN 301 893
RF Exposure:	EN 50630, EN 50361, FCC Part 2, OET Bulletin 65, RSS102
Environmental:	RoHS Directive 2002/95/EEC

## Warranty

The CA50 is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.



**SPECIFICATION SHEET**

CA50  
Voice and data device



**MOTOROLA**

[motorola.com](http://motorola.com)

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## BARCODING, WIRELESS AND DATA COLLECTION

*Our customers turn to us to help them become more productive and profitable. TPI's expertise guarantees your project will be successful: on time, on budget and meet your ROI requirements.*

*TPI will facilitate your entire wireless and data collection project:*

- ✓ *Business analysis*
- ✓ *Project justification & ROI*
- ✓ *Wireless design, RF site survey and spectrum analysis*
- ✓ *WWAN, WLAN design & installation*
- ✓ *Custom software*
- ✓ *Integration w/legacy systems*
- ✓ *Mobile computers*
- ✓ *Data collection terminals*
- ✓ *Barcode printers, labels and scanners*
- ✓ *RFID solutions*
- ✓ *Configuration and deployment*
- ✓ *Training and installation*
- ✓ *Service and upgrades*
- ✓ *Remote device management and support*

*TPI can share best practices in data collection from a number of industries including wholesale distribution, manufacturing, healthcare and retail/consumer goods. Our expertise allows you to shorten your learning curve and increase your return on investment.*

Product specification sheet provided by TPI

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